





*[Handwritten signatures and names:]*

James James Willson  
James Willson James Willson James  
James Willson willson  
*[Illegible signature]*  
David James Willson  
James Willson  
his & thors *[illegible]* James  
willson wills



L. 3

my parents

Shurt Cloth Bought of Stand L. 17. 0

paid friends. Thompson, Bakerstown tax

paid David webber

paid Ephson 9000 too Royal of corn 8-0

Taxes for the 1786 State tax

Town & Country

Quadrant

|        |         |
|--------|---------|
| 0-12-6 | 10-6    |
| 11     | 11      |
| 1-14-6 | 2-8     |
| 2-2    | 2-6     |
| 2-1-5  | 4-5     |
| 3-9    | 3-2     |
| 2-12-9 | 5-5     |
| 4-0    | 4-6     |
| 3-6-8  | 7-2     |
| 5-0    | 5-0     |
| 4-4-10 | 14-10-6 |
| 9-3-0  | 00      |
| 1-5    | 5-9     |
| 1-10-9 |         |



Numeration Table

[illegible]



# Plaine addition Plaine addition

This Rule of plaine addition serves to the adding of many Numbers to gather and bring them in to one sum and munde you carry in all Even Numbers to 10

Example Suppose I bought of B at one Time 222  
worth of Bords and at a other Time 326

There was an old man whose age was required to which an other Time 327

he replied i have 7 sons the holl sum 875

having 2 years between the bearth proof 875

of each other & in the 44th year of 252

may age my eldest son was born 326

which is now the age of the youngest 357

i demaund what was the old mns age 935

8 man Lent his frind at severel 683

times several sumes at one Time 935

another time 50 at amother time 48 at another 44

time 156 how much was Lent in all 124

2 Late there be given 3352 213 and 44

133 to be added together how much is it 100

2 a man received 354867

250763 pounds 573846

paid out 162895 785946

how much Remey 347205

55556--19--09--3 2061864

44999--10--11--2 1706897

10557--08--10--1 2061864

6--19--09--3 1653596

3678

2357

6035



# Addition of pounds, Shilling pence and farthings

20s is one pound Twelve pence is one Shilling  
 four farthings is one pence 30 in farthings you carry 10 to 4  
 in pence to 12 in Shillings to 20 and in given pounds  
 to 10 — Example so pose you owe at one time

|              |             |
|--------------|-------------|
|              | 246-12-10-2 |
| at the Time  | 224-17-6-2  |
| a Noter Time | 342-15-7-3  |
| a Noter Time | 542-12-7-2  |
| a Noter Time | 346-15-10-2 |
| Holl Sum     | 1703-14-8-3 |
|              | 1457-1-8-1  |
| proof        | 1703-14-6-3 |



# Addition of Time

27

Note 12 months make one year 4 weeks one month 7 Days one week 24 Hours one Day 60 minutes one hour so to minits you carry to 60 to hours 24 to Days 7 to week 4 to months 12 in year to

Example in the under menthned  
Sum How Long Time

year . m . w . d . h . minute

27-6-3-6-12-12

25-10-2-5-18-15

30-10-1-6-15-20

the total Sum 84-4-0-04-28-47

56-9-0-5-21-35

proof - 84-4-0-4-21-47



# Addition of Abytapoy wait or money n

Note 14 ounces is one pound 20 peny wait is one ounce  
24 grains is one peny wait

Example in

|           |           |           |           |
|-----------|-----------|-----------|-----------|
| <u>10</u> | <u>14</u> | <u>20</u> | <u>24</u> |
| 22        | 12        | 15        | 10        |
| 17        | 10        | 11        | 12        |
| 13        | 11        | 10        | 15        |

the holl sum

54-6-17-13

~~the holl sum~~

31-8-2-3

proof -

54-6-17-13



# Addition of groos wait

you may see

4 Quarters is one 100 - 28 pounds, is one Quarter of  
thaire is 112 pounds, Net in a hundred groos carry to. 10. 4. 28

## Example

So pose you Bought 4 Barils of flower the first 1-3-26

the Second wait 2-0-15

the Third wait 2-1-17

the forth wait 1-3-10

Sum Total 8-1-12

6-1-14

the proof 8-1-12



# Subtraction of pound, shillings and pence

Subtraction Surus To take out any Left Number out of Bigger Sum Times you will find the figers in the Colom you take from to be less then the figer you have to take out. then you must borrow one from the Left hand and carry it to the Next as in farther the one is 4 coin pence it is 12 in shillings it is 20 in pound or any Number it is so minde to carry one when you borrow to the Left hand Colom Example Suppose you owed a man

the sum of 290-10-11-2 bor 898-10-10-2  
 you payed him 166-15-10-3 payed 799-15-11-2  
 Remains Dow 123-15-0-3 Remains 098-14-11-0  
 of proof 290-10-11-2 898-10-10-2

795836 Lent 5642-10-10 borrowed  
 364521 payd at one time 642-15-11 paid 374-10-3  
 431415 at another 4422-18-18 paid 079-15-11  
 795836 paid in all 5065-13-05 Remains 294-14-04  
 Lent at 564-16-10 0576-17-05  
 Several 76-16-08 Borrowed 3300-00-00-0  
 payments 163-18-11 paid at several 170-10-00-0  
 241-15-08 payments 361-13-10-1  
 paid in all 482-11-03 590-03-04-3  
 Remains 82-05-07 73-04-11-3  
 564-16-10 paid in all 1195-12-02-3

12/48692 (4057-15-4 Due 2104-07-09-1  
 669  
 60  
 92  
 81  
 20

12/16013

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12/484  
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# Multiplication Table

|         |   |     |    |    |       |    |    |     |
|---------|---|-----|----|----|-------|----|----|-----|
| 2 Times | 2 | ... | 4  | 5  | Times | 5  | is | 25  |
|         | 3 | ... | 6  |    |       | 6  | -  | 30  |
|         | 4 | ... | 8  |    |       | 7  | -  | 35  |
|         | 5 | is  | 10 |    |       | 8  | -  | 40  |
| 3 Times | 6 | ... | 12 | 6  | Times | 9  | -  | 45  |
|         | 7 | ... | 14 |    |       | 6  | is | 36  |
|         | 8 | ... | 16 |    |       | 7  | -  | 42  |
|         | 9 | ... | 18 |    |       | 8  | -  | 48  |
| 4 Times | 3 | ... | 9  | 7  | Times | 9  | -  | 54  |
|         | 4 | ... | 12 |    |       | 7  | is | 49  |
|         | 5 | ... | 15 |    |       | 8  | -  | 56  |
|         | 6 | is  | 18 |    |       | 9  | -  | 63  |
| 5 Times | 7 | ... | 21 | 8  | Times | 8  | is | 64  |
|         | 8 | ... | 24 |    |       | 9  | -  | 72  |
|         | 9 | ... | 27 |    |       | 9  | is | 81  |
|         | 4 | ... | 16 |    |       | 10 | is | 100 |
| 6 Times | 5 | ... | 20 | 9  | Times | 10 | is | 100 |
|         | 6 | ... | 24 |    |       |    |    |     |
|         | 7 | ... | 28 |    |       |    |    |     |
|         | 8 | ... | 32 |    |       |    |    |     |
| 7 Times | 9 | ... | 36 | 10 | Times |    |    |     |
|         |   |     |    |    |       |    |    |     |



# Multiplication Proved By Division

Multiplication serves in turn of many additions and serves  
 To make an easy addition To any Number set Down an  
 Number and as many Times as you want it by  
 Set your finger or fingers under both which is your multiplier  
 at the right hand Example what is the product  
 of 352 multiplied by 12 it will make 4224

$$\begin{array}{r}
 12 \\
 \times 352 \\
 \hline
 704 \\
 352 \phantom{0} \\
 \hline
 12 \overline{) 4224} \quad (352) \\
 \underline{36} \phantom{00} \\
 62 \phantom{0} \\
 \underline{60} \phantom{0} \\
 24 \phantom{0} \\
 \underline{24} \phantom{0} \\
 00
 \end{array}$$

What is the product of 422 multi-  
 By 15 multiplier

$$\begin{array}{r}
 15 \\
 \times 422 \\
 \hline
 2110 \\
 422 \phantom{0} \\
 \hline
 15 \overline{) 6330} \quad (422) \\
 \underline{60} \phantom{00} \\
 33 \phantom{0} \\
 \underline{30} \phantom{0} \\
 30 \phantom{0} \\
 \underline{30} \phantom{0} \\
 00
 \end{array}$$











This Journal of our intended Voyage By gods parr  
 on Board the good Schooner (Charming Sally)  
 Benjamin Gifford Master November the 12<sup>th</sup> 1772 at  
 Fm wiled anchor in Eustatia Road towards  
 Cashe Bay

Remarks on Thursday 4<sup>th</sup> 12 of November 1772  
 at 12 on mercedon Santmartans Bore w S w  
 Distant about 5 Leagues fresh breeze of wind at  
 S S E

Remarks on Friday November 4<sup>th</sup> 13<sup>th</sup> 1772

| h  | k | th | Cors wind | Remarks                            |
|----|---|----|-----------|------------------------------------|
| 2  | 6 | 1  | North ESE | at pm sent martans Bore S Bw about |
| 4  | 6 | 1  | W Bw      | 14 Leagues a large swell from the  |
| 6  | 8 | 1  | W Bw      | North at 12 pm hancad main Sail &  |
| 8  | 8 | 1  | W Bw      | Jabe at 6 Sat 2 Km Sail and Jabe   |
| 10 | 7 | 1  | W Bw      | at 8 Sat hok m S stood away our    |
| 12 | 6 | 1  | W Bw      | Anchors and Cabels tuck Down tacks |
| 2  | 5 | 1  | W Bw      |                                    |
| 4  | 5 | 1  | W Bw      |                                    |
| 6  | 5 | 1  | W Bw      |                                    |
| 8  | 7 | 1  | W Bw      |                                    |
| 10 | 5 | 1  | W Bw      |                                    |
| 12 | 5 | 1  | W Bw      |                                    |

Landed By obs 20:39 <sup>22</sup>/<sub>220</sub>  
 440

| Cors | Dist | Lat | Long | Lat | Long  | Dist  |
|------|------|-----|------|-----|-------|-------|
| NW   | 156  | 152 | 29   | 31  | 20:39 | 62:40 |

Remarks on Saturday November 14<sup>th</sup> 1772

| h  | k | th | Cors wind   | Remarks                            |
|----|---|----|-------------|------------------------------------|
| 2  | 5 | 1  | North S E S | this 24 Flowers first Light Breeze |
| 4  | 6 | 1  | hondms      | and Spralay at 12 pm hancad main   |
| 6  | 7 | 1  | hondms      | Sail at 4 pm Sat main Sail over    |
| 8  | 4 | 1  | SE          | Cast Water at 12 on martan clea    |
| 10 | 4 | 1  | W Bw        |                                    |
| 12 | 5 | 1  | W Bw        |                                    |
| 2  | 3 | 1  | W Bw        |                                    |
| 4  | 4 | 1  | W Bw        |                                    |
| 6  | 5 | 1  | W Bw        |                                    |
| 8  | 5 | 1  | W Bw        |                                    |
| 10 | 5 | 1  | W Bw        |                                    |
| 12 | 5 | 1  | W Bw        |                                    |

Landed By obs 22:53

| Cors | Dist | Lat | Long | Lat | Long  | Dist  |
|------|------|-----|------|-----|-------|-------|
| NW   | 136  | 134 | 27   | 28  | 22:53 | 62:36 |

Remarks on Sunday November 15<sup>th</sup> 1772

| h  | k | th | Cors wind | Remarks                             |
|----|---|----|-----------|-------------------------------------|
| 2  | 5 | 1  | NW S E    | this 24 Flowers atanded with Light  |
| 4  | 5 | 1  | NW S E    | Brefes of wind & Variable with      |
| 6  | 3 | 1  | NW S E    | squalls of rain and wind at a Lurid |
| 8  | 2 | 1  | SE        | away four peak tay will and de      |
| 10 | 1 | 1  | SE        | Latched up a strap at 6 Lay tow un  |
| 12 | 2 | 1  | NW S E    |                                     |
| 2  | 2 | 1  | NW S E    |                                     |
| 4  | 3 | 1  | NW S E    |                                     |
| 6  | 3 | 1  | NW S E    |                                     |
| 8  | 3 | 1  | NW S E    |                                     |
| 10 | 4 | 1  | NW S E    |                                     |
| 12 | 5 | 1  | NW S E    |                                     |

Landed By obs 24:13

| Cors | Dist | Lat | Long | Lat | Long  | Dist  |
|------|------|-----|------|-----|-------|-------|
| NW   | 83   | 80  | 20   | 22  | 24:13 | 62:48 |



Corsewind November 4<sup>th</sup> 16<sup>th</sup> Monday 1772

5 1 NW SE  
5 1  
8 5 1  
10 4 1  
2 4 1  
4 4 1  
6 4 1  
8 4 1  
10 5 1  
12 5 1

this 24 Hours Light Breezes of wind  
and Showers of rain a swell from  
the North ward

Latt Byobs 26.8

| Corse | Dist | Lat | Depart | Long | Lat in | Long in | mer |
|-------|------|-----|--------|------|--------|---------|-----|
| NW    | 124  | 115 | 47     | 51   | 26:08  | 63:39   | 109 |

2 3 1 NW SE  
4 3 1  
6 3 1  
8 4 1  
10 3 1  
12 4 1  
2 4 1  
4 4 1  
6 4 1  
8 5 1  
10 5 1  
12 6 1

Corsewind Remarks on Tuesday November 4<sup>th</sup> 17<sup>th</sup> 1772

this 24 Hours past Light Breezes of wind  
and Cloudy with Sun Showers of  
Rain at 12 at Night yel main sail

Latt Byobs 27:45

| Corse | Dist | Lat | Depart | Long | Lat in | Long in | mer |
|-------|------|-----|--------|------|--------|---------|-----|
| NW    | 106  | 97  | 48     | 53   | 27:45  | 64:32   | 157 |

2 6 NW SE  
4 6 NW SE  
6 2 NW SE  
8 1 NW SE  
10 1 NW SE  
12 1 NW SE  
2 1 NW SE  
4 1 NW SE  
6 1 NW SE  
8 1 NW SE  
10 1 NW SE  
12 1 NW SE

Corsewind Remarks on Wednesday November 18<sup>th</sup> 1772

this 24 Hours fresh Breezes of wind  
at 8 Am handed in and yel tack  
in 2 RFS Ly two at 6 Pm wore to

the waft wore at 8 Saw a ship Stand  
ing to the East ward Latt Byobs 28:14

| Corse | Dist | Lat | Depart | Long | Lat in | Long in | mer | Dist |
|-------|------|-----|--------|------|--------|---------|-----|------|
| NW    | 35   | 29  | 17     | 19   | 28:14  | 65:01   | 174 |      |

2 up w/ sail  
4 wore for East  
6 2 up w/ sail  
8 2 up w/ sail  
10 2 up w/ sail  
12 2 up w/ sail  
2 2 up w/ sail  
4 2 up w/ sail  
6 2 up w/ sail  
8 2 up w/ sail  
10 2 up w/ sail  
12 2 up w/ sail

Corsewind Remarks on Thursday Nov<sup>r</sup> 19<sup>th</sup> 1772

this 24 Hours fresh Breezes of  
wind and a Large Sea at 8 Pm

Saw a ship Standing to the East  
ward manned the main sail

Latt Byobs 27:55

| Corse | Dist | Lat | Depart | Long | Lat in | Long in | mer | Dist |
|-------|------|-----|--------|------|--------|---------|-----|------|
| SW    | 23   | 6   | 22     | 25   | 27:55  | 65:26   | 190 |      |



H K H Corse winds Remarks on Friday Novemb<sup>r</sup> 20<sup>th</sup> 1772  
 2 upw. N. North this 24 flowers past fresh Breeses of  
 4 lat 3ms  
 6 w. N. North wind at North at 4 pm lat 3ms at  
 8 10 pm lat hol fj  
 12

Lath Byobs 27:41

| Corse Dist | D Lat | D part | D Long | Lat in | Long in | med Dist |
|------------|-------|--------|--------|--------|---------|----------|
| W 36       | 14    | 34     | 38     | 27:41  | 66:24   | 230      |

H K H Corse winds Remarks Saturday Novemb<sup>r</sup> 21<sup>st</sup> 1772  
 2 2 1 west. N. North this 24 flowers landed with Light  
 4 2 1 - Breeses of wind fluttering at 4 Pm lat  
 6 2 1 - hole Jebb and 2 kms at 8 tackt to the  
 8 2 1 lat Jebb 2 kms Northward Cote one Dolphin with  
 10 2 1 tackt to Jebb ward a gaft  
 12 2 1 N. E. N. W. Lath Byobs 27:28

| Corse Dist | D Lat | D part | D Long | Lat in | Long in | med Dist |
|------------|-------|--------|--------|--------|---------|----------|
| W 41       | 13    | 39     | 44     | 27:28  | 66:45   | 269      |

H K H Corse winds Remarks on Sunday Novemb<sup>r</sup> 22<sup>nd</sup> 1772  
 2 3 - N. E. N. North  
 4 2 1 tackt to W. ward at 6 oclock 2 P. F. S at 12 Balan  
 6 2 1 wind Equally m s at 12 on meraden lat 2 kms  
 8 2 1 N. W. N. W. this 24 attended with fresh gails  
 10 3 1 N. W. a Large sea Lath Byobs 27:40  
 12 3 1 w. N. North  
 2 2 1  
 4 2 1  
 6 2 1  
 8 2 1

| Corse Dist | D Lat | D part | D Long | Lat in | Long in | meraden Distance |
|------------|-------|--------|--------|--------|---------|------------------|
| N 72 W 41  | 12    | 39     | 44     | 27:40  | 68:32   | 307 was          |

H K H Corse winds Remarks on Monday November 23<sup>rd</sup> 1772  
 2 3 - N. W. N. W. this 24 Past fresh Breeses of wind  
 4 3 - N. W. and a Large Sea all wall on Bord  
 6 3 -  
 8 2 -  
 10 2 - N. W. N. W.  
 12 2 -  
 2 2 - N. W.  
 4 2 -  
 6 2 - N. W. N. E. S  
 8 2 -  
 10 2 -  
 12 2 -

Lath Byobs 28:48

| Corse Dist | D Lat | D part | D Long | Lat in | Long in | meraden Dist |
|------------|-------|--------|--------|--------|---------|--------------|
| N 57 W 53  | 28    | 44     | 50     | 28:08  | 68:22   | 351          |



| H K H |    |   | Course Winds | Remarks on | Tuesday November 24 <sup>th</sup> |
|-------|----|---|--------------|------------|-----------------------------------|
| 2     | 2  | 1 | NW by N      | at 8 AM    | Sat hole                          |
| 4     | 2  | 1 | NW by N      | at 10      | FM                                |
| 6     | 2  | 1 | NW by N      | hol main   | Sail and F.S. Caradaw             |
| 8     | 2  | 1 | NW by N      | the peaky  | Strap Lishad up a                 |
| 10    | 2  | 1 | NW by N      | Nother     | Killac the hog at 12 me           |
| 12    | 2  | 1 | NW by N      |            |                                   |
| 2     | 4  | 1 | NW by N      |            |                                   |
| 4     | 6  | 1 | NW by N      |            |                                   |
| 6     | 8  | 1 | NW by N      |            |                                   |
| 8     | 10 | 1 | NW by N      |            |                                   |
| 10    | 12 | 1 | NW by N      |            |                                   |
| 12    | 12 | 1 | NW by N      |            |                                   |

| Course | Dist | Lat | Depart | Lat   | Long | Longin | mer |
|--------|------|-----|--------|-------|------|--------|-----|
| N 20 W | 58   | 53  | 22     | 29.10 | 25   | 68.49  | 373 |

| H K H |   |   | Course Winds | Remarks on | Wednesday Nov 25 <sup>th</sup> |
|-------|---|---|--------------|------------|--------------------------------|
| 2     | 3 | - | Calm         | thys 24    | Howers first part              |
| 4     | 3 | - | NW by N      |            |                                |
| 6     | 3 | - | NW by N      |            |                                |
| 8     | 3 | - | NW by N      |            |                                |
| 10    | 5 | - | NW by N      |            |                                |
| 12    | 5 | - | NW by N      |            |                                |
| 2     | 4 | - | NW by N      |            |                                |
| 4     | 4 | - | NW by N      |            |                                |
| 6     | 4 | - | NW by N      |            |                                |
| 8     | 7 | - | NW by N      |            |                                |
| 10    | 7 | - | NW by N      |            |                                |
| 12    | 6 | 1 | NW by N      |            |                                |

| Course | Dist | Lat | Depart | Lat   | Long | Longin | mer |
|--------|------|-----|--------|-------|------|--------|-----|
| North  | 103  | 103 | 20     | 30.44 | 00   | 68.47  | 373 |

| H K H |   |   | Course Winds | Remarks on     | Thursday Nov 26 <sup>th</sup> |
|-------|---|---|--------------|----------------|-------------------------------|
| 2     | 7 | - | NW by N      | thys 24        | Howers fresh gills of wind    |
| 4     | 7 | - | NW by N      | at 12 at Night | 2 Rms at 12 R.F.S             |
| 6     | 7 | 1 | NW by N      | at 1 F'm       | handed m S at 8 F'm Sat       |
| 8     | 8 | - | NW by N      |                |                               |
| 10    | 8 | - | NW by N      |                |                               |
| 12    | 8 | - | NW by N      |                |                               |
| 2     | 8 | - | NW by N      |                |                               |
| 4     | 7 | 1 | NW by N      |                |                               |
| 6     | 6 | - | NW by N      |                |                               |
| 8     | 5 | - | NW by N      |                |                               |
| 10    | 5 | - | NW by N      |                |                               |
| 12    | 5 | - | NW by N      |                |                               |

| Course | Dist | Lat | Depart | Lat   | Long | Longin | mer |
|--------|------|-----|--------|-------|------|--------|-----|
| N 20   | 165  | 164 | 16     | 33.28 | 18   | 68.29  | 357 |

Course. Daniel King. - 2 - 12 - 0  
 James Fraser  
 Benjamin Jones (rapoon) for James Fraser



HK HK Course winds Remarks on Friday November 27<sup>th</sup> 1772  
 2 7 1 NW NW  
 4 5 1  
 6 6 hard m/s  
 8 6 1 NBE  
 10 3 1 3 m hand  
 12 3 1  
 4 3 1  
 6 3 1  
 8 3 1 NNE NW  
 10 4 1 NBE  
 12 4 1  
 this 24 Flowers hard gails of wind and  
 squally at 10 at night handed m/s  
 at 12 sat 3 m/s (carried away the  
 Peak the trap handed f/s Sat 3 f/s  
 at 8 Lashed up a Naw with sat 3 R f/s  
 Lattd By obs 35:37

| Course | Dist | + Lat | Dept | Lat in | Long | Lat in | mer Dist |
|--------|------|-------|------|--------|------|--------|----------|
| N E    | 133  | 129   | 20   | 35:37  | 25   | 68:04  | 337      |

HK HK Course winds Remarks on Saturday Novemb<sup>r</sup> 28<sup>th</sup> 1772  
 2 2 1 NBE NW  
 4 2 1 North  
 6 2 1 NBE  
 8 2 2 R m/s 2 R f/s  
 10 2 2 Balen f/s  
 12 2 2  
 this 24 Flowers past at anchor  
 with fresh gails the first part  
 Light Breeses and a Large swell  
 Lattd By obs 36:31

| Course | Dist | + Lat | Dept | Lat in | Long | Long in | mer Dist |
|--------|------|-------|------|--------|------|---------|----------|
| NNE    | 58   | 54    | 22   | 36:31  | 24   | 67:40   | 315      |

HK HK Course winds Remarks on Sunday November 29<sup>th</sup> 1772  
 2 2 1 North NW  
 4 1 North  
 6 1 North  
 8 1 NBE S E  
 10 1 NBE S E  
 12 1 NBE S E  
 2 1 North S E  
 4 1 North S E  
 6 1 North S E  
 8 1 North S E  
 10 1 North S E  
 12 1 North S E  
 this 24 Flowers first part Small  
 Breeses of wind Later part hard gails  
 at 8 at 8 Choocht the Boom in 3 R m/s  
 and 2 R f/s at 10 f/m handed m/s  
 and B f/s a hard gail  
 Lattd By obs 38:31

| Course | Dist | + Lat | Dept | Lat in | Long | Long in | mer Dist |
|--------|------|-------|------|--------|------|---------|----------|
| NW     | 124  | 120   | 24   | 38:31  | 31   | 68:11   | 339      |

HK HK Course winds Remarks on Monday Novemb<sup>r</sup> 30 1772  
 2 10 1 North SE B f/s  
 4 9 1 NBE f/s NW  
 6 9 1  
 8 9 1  
 10 9 1  
 12 3 Calm Rain NW  
 2 3 Calm  
 4 3 Calm  
 6 3 Calm  
 8 3 Calm  
 10 3 Calm  
 12 3 Calm  
 this 24 Flowers the first part  
 hard gails of wind at 8 f/m at 10  
 sounded no Bottom at 11 the wind  
 abated at 12 Calm at 8 f/m the wind at  
 NE f/s Sat 3 R m/s, B f/s handed  
 all sail Calm Lattd By obs 39:52

| Course | Dist | + Lat | Dept | Lat in | Long | Long in | mer Dist |
|--------|------|-------|------|--------|------|---------|----------|
| NNE    | 80   | 81    | 33   | 39:52  | 42   | 67:29   | 306      |



Log of winds Remarks on Tuesday December 1<sup>st</sup> 1772

|    |   |   |           |         |                                   |
|----|---|---|-----------|---------|-----------------------------------|
| 4  | 2 | 1 | N.W. wind | thru 24 | Howers the first part Cal         |
| 6  | 2 | 1 |           |         | and small Breezes later part      |
| 8  | 2 | 1 | N.W. wind |         | gails at 8 f'm Spake with a fish  |
| 10 | 3 | 1 | N.W. wind |         | from plimoth to our Cape Cod Bore |
| 12 | 4 | 1 | N.W. wind |         |                                   |
| 2  | 5 | 1 |           |         |                                   |
| 4  | 6 | 1 |           |         |                                   |
| 6  | 6 | 1 |           |         |                                   |
| 8  | 5 | 1 |           |         |                                   |
| 10 | 6 | 1 |           |         |                                   |
| 12 | 7 | 1 |           |         |                                   |

N.W. 25 or 30 Leagues at 12 on morn  
 Saw the Land of Cape Cod Bore N  
 Dist about 10 Leagues Latd By obs 4

| Course | Dist | Lat | Speed | Lat in | Long | Long in | meridn |
|--------|------|-----|-------|--------|------|---------|--------|
| N.W.   | 130  | 120 | 49    | 41.52  | 65   | 68.34   | 355    |

H K H Log of winds Remarks on Thursday January 31-1772



# Plaine Sailing Case 5<sup>th</sup> By Gunter Scale

given Course and Dept to finde the  $\times$  of Latitude and Dept  
 Example So page a Ship sails SSE 350 mile what is  
 her  $\times$  of Lat and Dept from the meriden Lat sailed  
 from 42.10<sup>N</sup> Latitude Com  
 To

The proportions to work this

as Radius line a --- 90  
 is to the Dept --- 350 m  
 So is the Sine of the Course 2 points  
 To the Dept ---

for to finde the Lat say

as Radius is to the Dept 350 m  
 So is the Sine comp of the Course 6 p  
 To the  $\times$  of Lat ---





# Plane Sailing Part the Second By Gunter

given Course and  $\times$  of Lat To find the Dist and Dept

Example So suppose a Ship sails SSW Tell she  $\times$  her Lat  
240 miles Demand her Distance sailed and her Dept -

To find the Dist say -

as the Sine Comp of the Course  
is to the  $\times$  of Latitude 240 miles  
So is Radius to the Dist

To find the Departure say -

as Radius Sine of - -  $90^\circ$  -  
is to the Departure - -  
So is the Sine of the Course 2,  
To the Departure -





# Plane Sailing part third By Gunter Scale

given Course and Departure to find the Diff and  $\times$  of Latitude Example So pass a Ship in Latitude  $38^{\circ} 25' N$  Sails between the North and the East untill her Departure was 200 miles upon N E by E Course Demand the Difference Sailed and  $\times$  of Latitude and Latitude come to —

To find the Diff say

as the Sine of the Course 3 points  
is to the Departure 200 miles —

So is Radius — — —

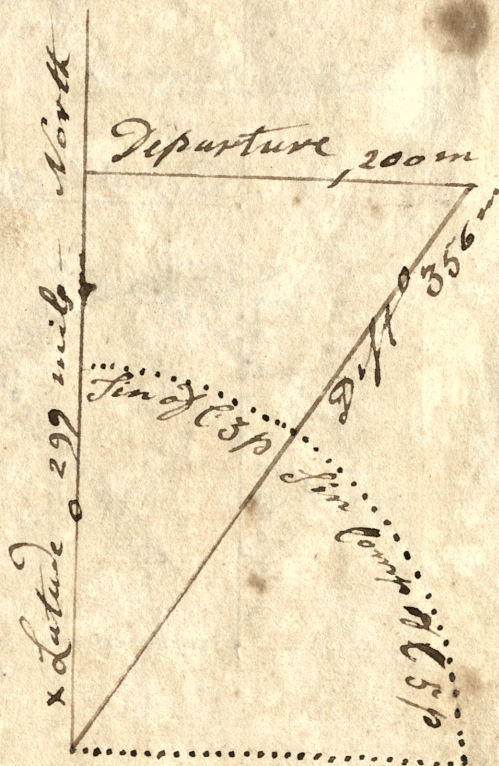
To the Difference — — —

To find the  $\times$  of Latitude say —

as Radius on the Line of Numbers  
is to the Difference —

So is the Sine Comp of Course

To the  $\times$  of Latitude — . . .



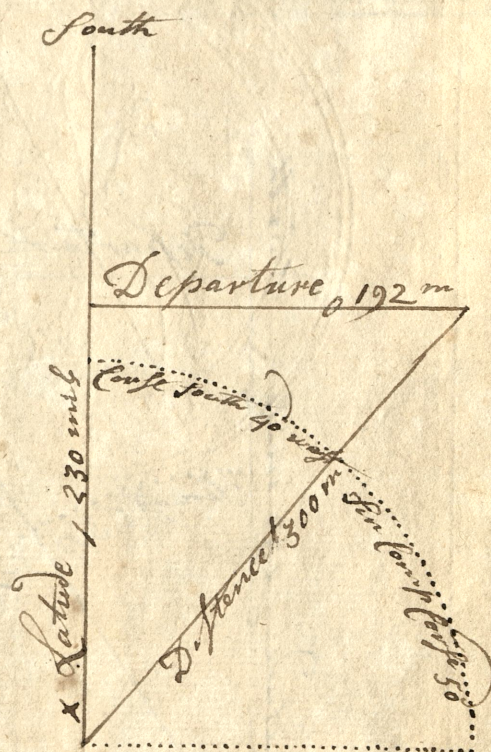


Plaine Sailing part the forth By Gunter Scale

Given Defence and  $\times$  of Latud To finde the Course and  
Departure Example So pose a Ship sails Between the  
South and west 300 miles and makes 230 miles  $\times$  Latud  
Demand her Course and Departure — — —

as the Defence is to Radius  
So is the  $\times$  of Latud  
To the Sine Comp of the Course

as Radius — — —  
is to the Defence — — —  
So is the Sine of the Course  
To the Departure — — —

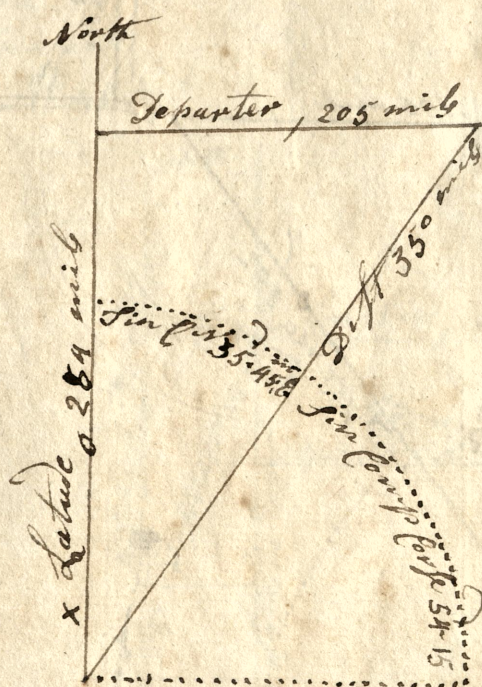




# Plaine Sailing part fifth by Gunter

given Difference and Departure To finde the Course and  $\chi$  of Latitude Example So suppose a Ship sails between the North and East untill her Dept was 205 miles her Dist 350 miles Demand her Course and  $\chi$  of Latitude

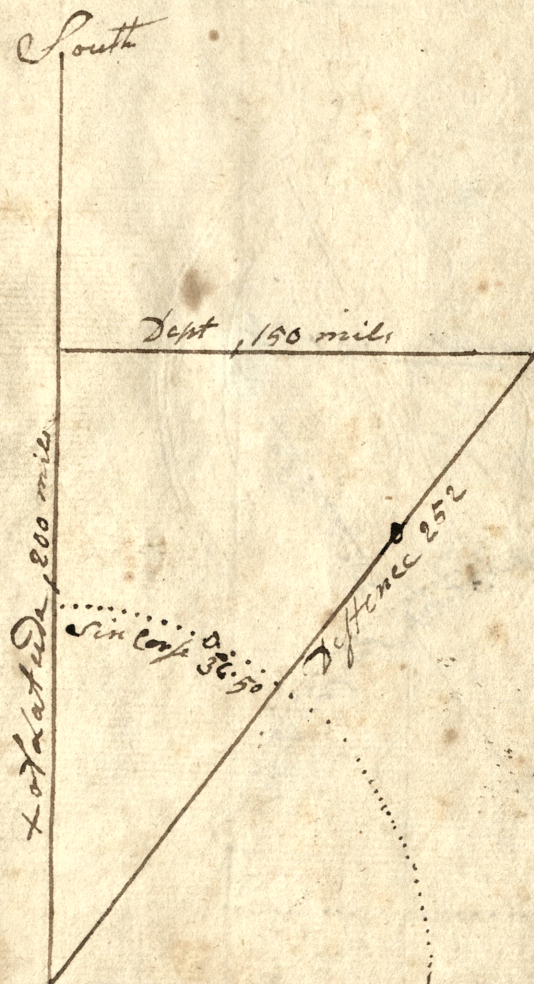
as the Difference  
is to Radious  
So is the Departure  
To the Sine of the Course  
as Radious  
is to the Difference  
So is the Sine comp<sup>o</sup> of the Course  
To the  $\chi$  of Latitude





# Plane Sailing part the Sixth by Gunter

given  $\times$  of Latitude and Departure So to finde the Course and Distance Example Admite a Ship sails Between the South and west Tell her  $\times$  of Latitude was 200 miles and her Dept was 150 miles Demand her Course and Distance sailed



To finde the Course say  
as the  $\times$  of Latitude --- 200  
is to the Departure --- 150  
So is Radius a Sine  
So the Sine of the Course

To finde the Distance say  
as the Sine of the Course  
is to the Dept ---  
So is Radius ---  
So the Distance sailed

NB Observe what you Take of the Line of Sine  
For your Course if the  $\times$  of Latitude be most it is the Sine  
of your Course But if the Departure be most it is the  
Sine complement of the Course the Sine of the Course  
is Next the North or South the Sine Next the East  
or west



# Traverse Sailing By Gunter Scale

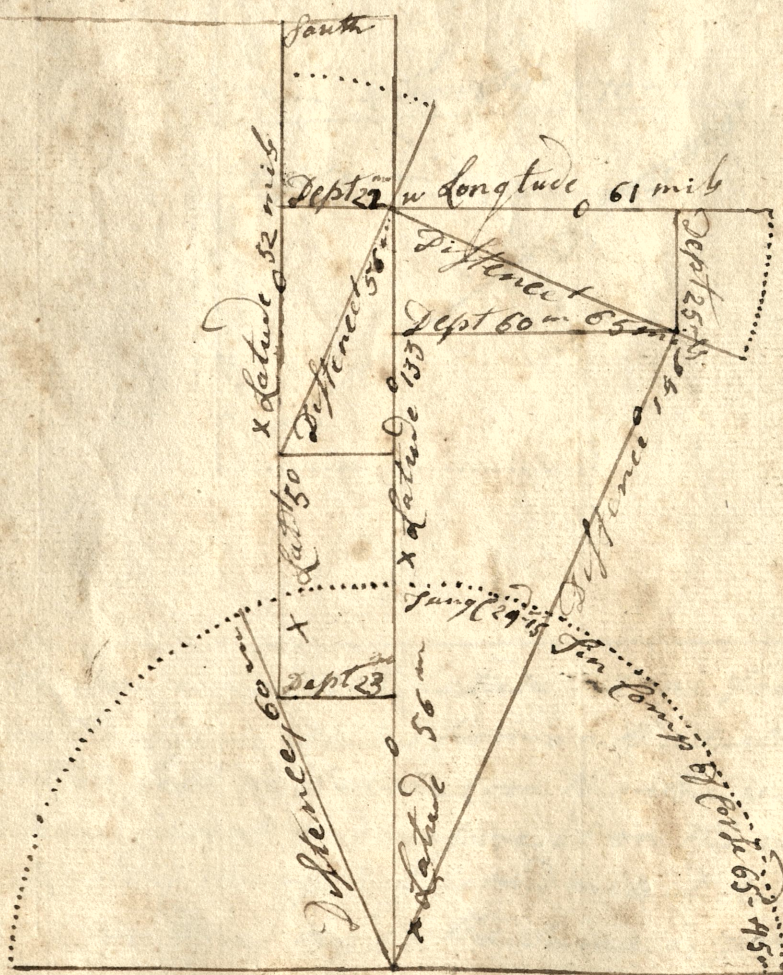
Traverse Sailing is when a Ship meets with contrary winds and sails on several courses to find the true course and Dist and  $\times$  of Latitude Example So suppose a Ship sails from Latitude  $44.14^{\circ}$   $SSW$  60 miles then South 50 miles then  $SSW$  56 miles then  $WNW$  65 miles Demand her true course made good and Distance and  $\times$  Latitude and Depart Latitude sailed from  $44.14$

as Raïd out - - - -  
is to the Distance - - -  
So is the Sine of the course  
To the Departure - -

as Raïd out - - - -  
is to the Distance - - -  
So is the Sine comp of the course  
To the  $\times$  of Latitude - -

as the  $\times$  of Latitude -  
is to the Departure - -  
So is Raïd out a Tangent  
To the Tangent of the course

|    |       |    |     |    |    |
|----|-------|----|-----|----|----|
| 60 | $SSW$ | N  | 3   | 8  | 10 |
| 50 | South | -  | 56  | 23 | -  |
| 56 | $SSW$ | -  | 52  | -  | 22 |
| 65 | $WNW$ | 25 | -   | -  | 61 |
|    |       |    | 158 | 82 |    |
|    |       |    | 25  | 33 |    |
|    |       |    | 133 | 26 |    |





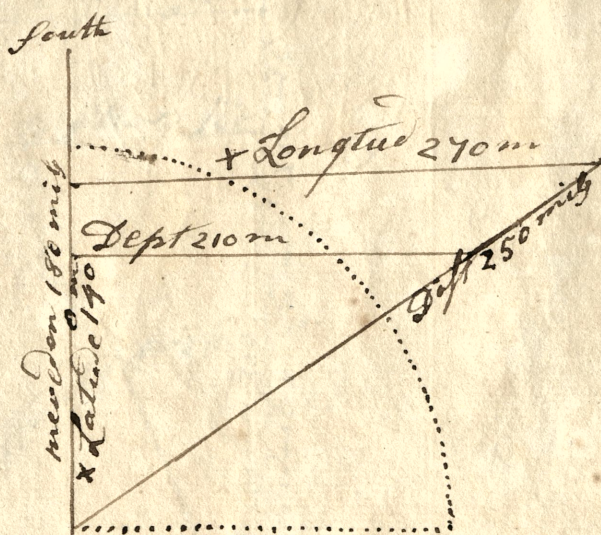
L. J. Am



# Mercators Sailing Cap<sup>th</sup> By Gunter Scale

given Course and Distance to finde the  $\times$  of Latitude  
 and Dept and  $\times$  of Long Example Suppose a Ship  
 sails SW by W 250 miles Demand her  $\times$  of Latitude  
 and Dept and  $\times$  of Longitude Lat Sailed from  $42^{\circ} 10'$   
 Longitude  $68^{\circ} 10' W$   $\times$  of Latitude  $2^{\circ} 20'$   
 Latud Com to  $39^{\circ} 50'$

|   |
|---|
| to finde the $\times$ of Latitude say             |
| as the sine comp of the course 34 <sup>p</sup>    |
| as Radians  |
| is to the part 250 miles                          |
| So is the sine comp of the course 34 <sup>p</sup> |
| to the $\times$ of Latitude 140 miles             |
| as Radians  |
| is to the Dept 250 miles                          |
| So is the sine of course to the 5 <sup>p</sup>    |
| To the Dept $210$ miles                           |
| as Radians a Tangent of $45^{\circ}$              |
| is to the Tangent of the course $33^{\circ} 45'$  |
| So is the meriden $\times$ of Latitude 180 miles  |
| To the $\times$ of Longitude 170 miles            |



NB To finde the meridional  $\times$  of Latitude Set one foot of your  
 Dividers on the Latitude Sailed from on the Scale of meridiane  
 parts the other foot on Latitude Com to on the same Scale  
 Keep the same Extent and measure it on the Line of Breu  
 parts and see how many Degrees and miles it reaches to then  
 multiply your degrees by 60 the same is your meridional  
 $\times$  of Latitude







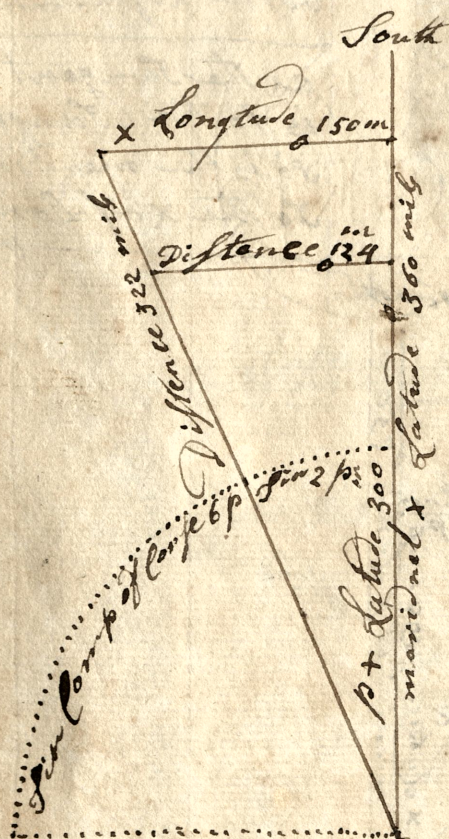
# Mercators Sailing By Gunter Scale.

given course and  $\times$  of Latitud To finde the Dept and Dept and  
 $\times$  of Longitud Example To pose a Ship sails SSE  
 Tell she  $\times$  her Latud 300 mile / Demande her Dept  
 and Dept and  $\times$  of Longitude Latitude sailed from 36-30

as the Sine Comp of the course 6 p  
 is to the  $\times$  of Latud  
 So is Raider  
 To the Dept

as Raider is to the Deptance  
 So is the Sine of the course 2 p  
 To the Dept

as Raider a Tangent of 45  
 is to the Tangent of the course  
 So is the meridnel  $\times$  of Latud  
 To the  $\times$  of Longitud





# Mercators Sailing part 3 By Gunter Scale

given Course and Dept to find the Distance and  $\times$  of Latitude  
and  $\times$  of Longitude Example To pose a Ship Sails N<sup>w</sup>  
from a port in Latitude of  $40^{\circ} 20' N$  and Longitude  
 $64^{\circ} 32' W$  Tell her Departure was 190 miles Demand the  
Distance sailed and  $\times$  of Latitude and  $\times$  of Longitude and  
Latitude com to and Longitude com to Latitude sailed from  
Longitude sailed from  $64^{\circ} 32' W$   $40^{\circ} 20' N$

as the Sine of the Course  $45^{\circ}$  —  
is to the Dept - 190 miles —  
So is Radians — — —  
To the Distance — — —

as Radians is to the Distance  
So is the Sine Comp of the Course  $45^{\circ}$   
To the  $\times$  of Latitude — — —

as the Tangent of  $45^{\circ}$  —  
is to the Tangent of the Course  $45^{\circ}$  —  
So is the meridiem  $\times$  of Latitude —  
To the  $\times$  of Longitude — — —



Note always if your Course be a Quarter or a 4 point Course  
your Difference of Longitude and meridiem  $\times$  of Latitude  
are alike and your meridiem  $\times$  of Latitude  
saves for the  $\times$  of Longitude



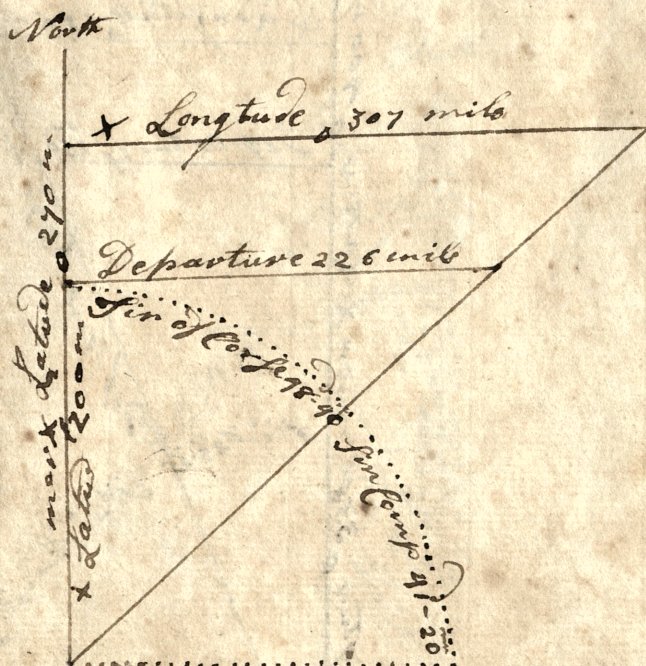
# Mercators Sailing Part 4<sup>th</sup> By Gunter & Scale

given Distance and  $\times$  of Latitude to the Course and Departure  
 and  $\times$  of Longitude Example Suppose a Ship sails between  
 the North and East 305 miles and  $\times$  Differs her Lat<sup>re</sup> 200  
 miles / Demand her Course made good and Dept and  $\times$  of Long  
 Lat<sup>re</sup> sailed from  $41^{\circ} 12' N$  { Long<sup>it</sup> sailed from  $40^{\circ} 10'$   
 $\times$  of Lat<sup>re</sup> - - -  $3^{\circ} 20' N$  {  $\times$  of Long<sup>it</sup> - - -  
 Lat<sup>re</sup> com to  $44^{\circ} 32' N$  { Long<sup>it</sup> com to - - -

as the Distance is to Radius  
 So is the  $\times$  of Latitude 200 miles  
 To the Sine comp of Course

as Radius - - -  
 is to the Distance 305 miles  
 So is the Sine of the Course -  
 To the Dept - - -

as Radius a Tangent of  $45^{\circ}$   
 is to the Tangent of the Course  
 So is the merid<sup>al</sup>  $\times$  of Lat<sup>re</sup>  
 To the  $\times$  of Longitude -





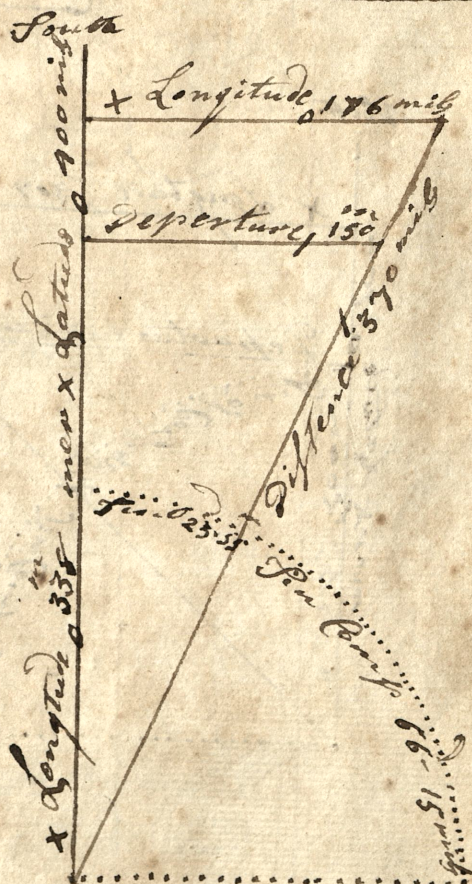
# Mercators Sailing part 5<sup>th</sup> By Gunter's Scale

Given Distance and Dept To finde the Course and  $\times$  of Latitude  
and  $\times$  of Longitude Example Suppose a Ship sails Between  
The South and west 370 miles her Departure was 150 miles  
Demand her Course and  $\times$  of Latitude and  $\times$  of Longitude  
and Latitude com to and Longitude com to Lat sailed from  
Longitude sailed from 63-40 W 42-30 N

as the Distance 370 miles  
is to Radius - - -  
So is the Dept To the Sine of Course

as Radius - - -  
is to the Distance 370 miles  
So is the Sine comp of the Course  
To the  $\times$  of Latitude - -

as Radius a Tangent of 4  
is to the Tangent of the Course  
So is the meridional  $\times$  of Latitude  
To the  $\times$  of Longitude - -





# Meccators Sailing by Gunter Scale.

Given the Latitude and Longitude of 2 ports offinde the Course  
and Distance and Departure Example what is the True  
Course and Distance and Departure Between North yarmouth  
in New England and Surinam North yarmouth Lays in the  
Latud of  $44^{\circ} 14'$  N Surinam Lays in Latud of  $6^{\circ} 00'$  N  
North yarmouth Lays in Longitud of  $67^{\circ} 45'$  W Surinam Lays  
in Longitud of  $55^{\circ} 55'$  W

as the meridional  $\times$  of Latitude  
is to the  $\times$  of Longitude  
So is Raïdous a Sagent of 45  
To the Tangent of the Course

as the Sine Comp of the Course  
is to the  $\times$  of Latitude  
So is Raïdous  
To the Distance

as Raïdous is to the Distance  
So is the Sine of the Course  
To the Dept





Paruopscot

James Willson wase Born November

the 16<sup>th</sup> 1747 Mary Willson wase Born

Septamber 8<sup>th</sup> 1749 Elizabeth Willson

wase Born November 4<sup>th</sup> 1751 ( 1754)

David Willson wase Born April 22<sup>nd</sup>

Elizabeth Willson wase Born January 18<sup>th</sup> 1756

Deceased this Life february 26<sup>th</sup> 1756

Henriet Willson wase Born April 19<sup>th</sup> 1757

Alexander Willson wase Born July 8<sup>th</sup> 1759

Spencer Willson wase Born September 8<sup>th</sup> 1760

Cathrain Willson wase Born December 27<sup>th</sup> 1763

Cathrain Willson the wife of alexander wilson

Deceased this Life January 5<sup>th</sup> 1769 her age 37 year of

These childrens mother Buread one

And Eight She Left a Linca

which with her husband so Lameant

her Eabfance Did Survive

Mrs Mary giving a widdow the molhar of

the Deceased Cathrain Willson and Grand

mother of the above named Childrain De

ceased this Life January 28<sup>th</sup> 1771 Being in

the 55 year of her age

James Willson

31725 11 31665 38

1811  
1761  
50

1811  
50  
1761  
1744  
1114

31725 11 31665 38

James

68-250  
29-250

Cap. Amos 92-42

hall Lays 39-09

David 11-18



James Wilson was Married March <sup>the</sup> 1781  
to Kezia Young Agar, <sup>nineteen years</sup> Eleven months <sup>the</sup> 17 of April  
James Wilson Juner was Born January 11 <sup>the</sup> AD 1782  
John Willson was Born July the 13 <sup>AD</sup> 1783  
Catherine Willson was Born October 19 <sup>AD</sup> 1785  
Moley Willson was Born June the 10 AD. 1787

Oliver Willson was Born May 29 AD 1791

David Willson was Born August 24 AD 1793

Lydia Willson was Born March 9 AD 1798 one Clock

Abagail Toothaker Born July 13 AD 1801

James Willson Son of Swongey Willson Deceased Born March 11- 1782  
Swongey Willson Son of Deeto Born July 24 1796

Sarah Young Was Born July 14 <sup>th</sup> 1778

James Clark Was Born January <sup>th</sup> 30 AD 1803

Clark Was Born January 13 AD 1805

Kizah Willson Wife of James Willson  
Departed this Life November 17 1821

Kizah Willson wife of James Willson  
Departed this life November 17 1821





A Journal of our Intended Cruise I Jak Snow Commander  
 on Board the good Slooper Amaranca god Send us a prosper  
 Cruise and Safe Return  
 At 7 am Waiv anchor in Duck Cove with the wind at S  
 At 1 am Come to anchor in falmoth wat and Raney wa

Remarks on Friday October 7<sup>th</sup> the first part of this 24 Hours  
 wat with the wind at S. E. All hands Employed in making  
 gaskets and fixing Rigen

Remarks on Saturday October 8<sup>th</sup> the first part of  
 this 24 Hours wat and Raney with the wind at S. E. this  
 Day sailed Ruben kam asher. Yareyba with crew  
 the later All hands went ashore and were treated by Cap

Remarks on Sunday October 9<sup>th</sup> the first part of this 24  
 Hours thick and hazy went to meeting to porpo duck

Remarks on Monday October 10<sup>th</sup> the first part of this  
 24 Hours at 8 am waiv anchor Being Bound to Seian Bo  
 out of the harbour the wind S. S. E we Bore up and came  
 to anchor in hogilant Booe all well on Board

Remarks on Tuesday October 11<sup>th</sup> the first part of this 24  
 Hours foggy went to town to get a grain manded later  
 part Raney with the wind at S. E

Remarks on Wednesday October 12<sup>th</sup> 1796 the first part of  
 this 24 Hours at a new with fair weather with the wind  
 At SW at 8 am waiv anchor in hogilant Booe at 12  
 Am Cape Elise Bath Boen w B. 9 Leags Distance from  
 which I take my Departure Lat 44-14 Long 69-58

| Hour | Lat | Long | Remarks | Remarks   |
|------|-----|------|---------|---|
| 2    | 4   | 1    | SELE SW | Remarks on Thursday October 13 <sup>th</sup> 1796 |
| 4    | 5   | 1    |         | the first part of this 24 Hours Light             |
| 6    | 6   |      |         | Winds and Smooth Sea at 10 am                     |
| 8    | 6   |      |         | Handed the flying Jib at 9 am                     |
| 10   | 6   |      | W SW    | took in the wing tail the later part              |
| 12   | 6   |      |         | of this 24 Hours thick a Raney                    |
| 2    | 6   |      |         | Weather the wind at waiv                          |
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| H  | K | HK | Course | Winds | Remarks on Friday October the 11 Day |                |
|----|---|----|--------|-------|--------------------------------------|----------------|
| 2  | 4 | 1  | SE     | SE    | The first part of this 24 Hours      | Course SE by E |
| 4  | 2 | 1  |        |       | Light winds and Smooth               | Dist 103       |
| 6  | 2 | 1  | SE     | SE    | Sea a 1 Am hand the fly              | x Lat 49-44    |
| 8  | 2 | 1  | SE     | SE    | ing sail at 4 Am hand the            | Lat in 41-45   |
| 10 | 1 | 1  |        |       | main top sail the Later              | Dp 92          |
| 12 | 1 | 1  |        |       | part West and Rainy                  | MD 222         |
| 2  | 1 | 1  |        |       | Weather                              | x Long 129     |
| 4  | 5 |    |        |       |                                      | Long in 62-56  |
| 6  | 9 |    |        |       |                                      |                |
| 8  | 7 |    |        |       |                                      |                |
| 10 | 8 |    |        |       |                                      |                |
| 12 | 8 |    |        |       |                                      |                |

| H  | K | HK | Course | Winds | Remarks on Saturday October the 12 Day |                |
|----|---|----|--------|-------|--|----------------|
| 2  | 7 |    | SE     | SE    | The first part of this 24 Hours        | Course SE by E |
| 4  | 6 |    |        |       | Standed with a fresh Breeze            | Dist 193       |
| 6  | 5 | 1  |        |       | of wind and fair weather               | x Lat 91       |
| 8  | 8 |    |        |       | Nothing more Remarkable                | Lat in 40-14   |
| 10 | 6 |    |        |       |  | Dp 170         |
| 12 | 5 |    |        |       |  | MD 392         |
| 2  | 1 |    |        |       |  | x Long 220     |
| 4  | 5 |    |        |       |  | Long in 59-10  |
| 6  | 6 |    |        |       |  |                |
| 8  | 7 |    |        |       |  |                |
| 10 | 4 |    |        |       |  |                |
| 12 | 3 |    |        |       |  |                |

| H  | K | HK | Course | Winds | Remarks on Sunday October the 13 Day |                   |
|----|---|----|--------|-------|--------------------------------------|-------------------|
| 2  | 3 |    | SE     | SE    | The first part of this 24 Hours      | Course South 36 E |
| 4  | 3 |    | SE     | SE    | A moderate Breeze and Smooth         | Dist 83 miles     |
| 6  | 3 | 1  |        |       | Sea at 6 pm hand the top sail        | x Lat 67 miles    |
| 8  | 4 |    |        |       |                                      | Lat in 59-07      |
| 10 | 5 | 1  |        |       |                                      | Dp 48 miles       |
| 12 | 3 |    |        |       |                                      | MD 490 miles      |
| 2  | 3 |    |        |       |                                      | x Long 62 miles   |
| 4  | 3 |    |        |       |                                      | Long in 58-10     |
| 6  | 3 |    |        |       |                                      |                   |
| 8  | 3 |    |        |       |                                      |                   |
| 10 | 5 |    |        |       |                                      |                   |
| 12 | 3 |    |        |       |                                      |                   |

| H  | K | HK | Course | Winds | Remarks on Monday October the 14 Day |                   |
|----|---|----|--------|-------|--------------------------------------|-------------------|
| 2  | 4 |    | SE     | SE    | The first part of this 24            | Course South 24 E |
| 4  | 3 |    |        |       | Hours Cloudy with Sun Rain           | Dist 46 miles     |
| 6  | 3 |    |        |       | at 4 Am Breeze the main              | x Lat 42 miles    |
| 8  | 3 |    |        |       | Sail and hand top sail at 10         | Lat in 38-25      |
| 10 | 3 |    |        |       | pm hove too under Balance            | Dp 19 miles       |
| 12 | 1 |    |        |       | main Sail at 2 pm Sail               | MD 459 miles      |
| 2  | 1 |    |        |       | fore Sail m <sup>r</sup> Dalgay and  | x Long 24 miles   |
| 4  | 1 |    |        |       | John Williams are Sick               | Long in 57-40     |
| 6  | 1 |    |        |       |                                      |                   |
| 8  | 1 |    |        |       |                                      |                   |
| 10 | 1 |    |        |       |                                      |                   |
| 12 | 1 |    |        |       |                                      |                   |



| K HK Corpse wind |   |       |    | the day October the 15 Day yr 1770  |          |
|------------------|---|-------|----|---|----------|
| 2                | 1 | upto  | SE | the first part of this 24 Hours<br>stand with light wind at<br>East Lay too under Balenc<br>Main sail and fore sail at 4 m<br>have the for sail under Balenc<br>Main sail at 8 m mid sail<br>Lat By Obs 37:52 | Corps 56 |
| 4                | 1 | offto | SE |   | Dist 34  |
| 6                | 1 |       |    |   | Lat 33   |
| 8                | 1 |       |    |   | Lat 31   |
| 10               | 1 |       |    |   | Lat 29   |
| 12               | 1 |       |    |   | Lat 27   |
| 2                | 1 |       |    |   | Lat 25   |
| 4                | 1 |       |    |   | Lat 23   |
| 6                | 1 |       |    |   | Lat 21   |
| 8                | 1 |       |    |   | Lat 19   |
| 10               | 2 |       |    |   | Lat 17   |
| 12               | 2 |       |    |   | Lat 15   |
| South EBS        |   |       |    |   | Long 90  |
|                  |   |       |    |   | Long 57  |

| K HK Corpse wind |   |      |    | Remarks on wednesday October the 16 Day  |            |
|------------------|---|------|----|--|------------|
| 2                | 3 | none | SE | the first part of this 24 Hours<br>pleasant at 12 pm wind rose<br>and stood to the northward<br>at 10 pm wind rising light<br>fall and had main sail at<br>10 pm set main sail & things<br>more Remains at sea<br>Lat By Obs 38:34 | Corps 56   |
| 4                | 5 |      |    |  | Dist 35    |
| 6                | 5 |      |    |  | Lat 32     |
| 8                | 3 |      |    |  | Lat 30     |
| 10               | 2 |      |    |  | Lat 28     |
| 12               | 2 |      |    |  | Lat 26     |
| 2                | 2 |      |    |  | Lat 24     |
| 4                | 3 |      |    |  | Lat 22     |
| 6                | 3 |      |    |  | Lat 20     |
| 8                | 5 |      |    |  | Lat 18     |
| 10               | 3 |      |    |  | Lat 16     |
| Doto Doto        |   |      |    |  | Long 57:00 |

| K HK Corpse wind |   |  |  | Remarks Thursday October the 17 Day   |            |
|------------------|---|--|--|---|------------|
| 2                | 2 |  |  | the first part of this 24 Hours<br>Small wind and pleasant<br>wather at 6 pm had fore<br>top sail Sun Squalls of Rain<br>and wind nothing more<br>Remains at sea<br>Lat By Obs 40:8 | Corps 56   |
| 4                | 2 |  |  |   | Dist 36    |
| 6                | 2 |  |  |   | Lat 34     |
| 8                | 2 |  |  |   | Lat 32     |
| 10               | 3 |  |  |   | Lat 30     |
| 12               | 3 |  |  |   | Lat 28     |
| 2                | 4 |  |  |   | Lat 26     |
| 4                | 5 |  |  |   | Lat 24     |
| 6                | 6 |  |  |   | Lat 22     |
| 8                | 4 |  |  |   | Lat 20     |
| 10               | 4 |  |  |   | Lat 18     |
| 12               | 4 |  |  |   | Lat 16     |
| Doto             |   |  |  |   | Long 56:50 |

| K HK Corpse wind |   |  |  | Remarks on Friday October the 18 Day   |            |
|------------------|---|--|--|--|------------|
| 2                | 7 |  |  | the first part of this 24 Hours<br>fresh Breezes and pleasant<br>wather the later part Clearing<br>and fresh Breezes of wind at<br>Sew west<br>No obs to Day | Corps 56   |
| 4                | 6 |  |  |  | Dist 147   |
| 6                | 2 |  |  |  | Lat 135    |
| 8                | 3 |  |  |  | Lat 12:35  |
| 10               | 4 |  |  |  | Lat 11     |
| 12               | 6 |  |  |  | Lat 10     |
| 2                | 6 |  |  |  | Lat 9      |
| 4                | 6 |  |  |  | Lat 8      |
| 6                | 7 |  |  |  | Lat 7      |
| 8                | 7 |  |  |  | Lat 6      |
| 10               | 7 |  |  |  | Lat 5      |
| 12               | 8 |  |  |  | Lat 4      |
| Doto             |   |  |  |  | Long 58:00 |



| H  | K | H | Course | Wind  | Remarks                         | on Saturday October 19 Day |
|----|---|---|--------|-------|---------------------------------|----------------------------|
| 2  | 6 | - | SE     | SW    | the first part of this 24 hours | Course SE 1/2 E            |
| 4  | 4 | - | SW     | --    | fresh Breezes of wind at        | Dist 59                    |
| 6  | 4 |   |        |       | Rain at 6 pm hove too under     | Lat 56                     |
| 8  |   |   |        |       | the fore sail at 6 pm main      | Lat in 45:31               |
| 10 |   |   |        |       | sail and stood to the SE        | Sp 17 miles                |
| 12 |   |   |        |       | at noon hauled the              | ML 579 miles               |
| 2  |   |   |        |       | main sail and stood to the SE   | Long 23 miles              |
| 4  |   |   |        |       | all went on Bore                | Long in 57:45              |
| 6  |   |   | SE     | W     | Lat in By Obs 43:31             |                            |
| 8  | 6 | - |        |       |                                 |                            |
| 10 | 8 | - | Ditto  | Ditto |                                 |                            |
| 12 | 8 | - |        |       |                                 |                            |

| H  | K | H | Course | Wind | Remarks                           | on Sunday October 20 Day |
|----|---|---|--------|------|-----------------------------------|--------------------------|
| 2  | 5 | - | SE     | W    | the first part of this 24         |                          |
| 4  | 5 |   |        |      | hours fresh Breezes of wind       |                          |
| 6  | 5 |   |        |      | & thick weather at 6 put away     |                          |
| 8  |   |   |        |      | South under the fore sail had     |                          |
| 10 |   |   |        |      | waft at 9 were & Lade under       |                          |
| 12 |   |   |        |      | head main sail had up at 10       |                          |
| 2  |   |   |        |      | pm the main Brok & lost the       |                          |
| 4  |   |   |        |      | most of our oars & topmast &      |                          |
| 6  |   |   |        |      | flying Jib Boom & main Cables     |                          |
| 8  |   |   |        |      | yard a variety Bad Sea from the W |                          |
| 10 |   |   |        |      | at 6 pm made the of Labels        |                          |
| 12 |   |   |        |      | Baring E & longer Distance        |                          |

| H  | K | H | Course | Wind  | Remarks                          | on Monday October 21 Day |
|----|---|---|--------|-------|----------------------------------|--------------------------|
| 2  | 7 |   |        |       | at noon under the Isle of Labels | Course SE 6 W            |
| 4  | 7 |   | East   | SW    | Bore with 3 Layers Dist the      | Dist 90 miles            |
| 6  | 8 |   |        |       | first part of this 24 hours      | Lat 9 miles              |
| 8  | 7 |   |        |       | fresh Breezes of wind & ple      | Lat in 44:31             |
| 10 | 7 |   |        |       | ent weather at 6 pm hauled       | Sp 90 miles              |
| 12 | 6 |   | East   | WSW   | main top sail fresh Breezes      | ML 90 miles              |
| 2  | 6 |   |        |       | & Cloudy at 6 pm Bore & stood    | Long 126 miles           |
| 4  | 5 |   |        |       | ent length & holob at 8 too too  | Lat By Obs 44:31         |
| 6  | 6 |   | SE     | Ditto |                                  | Lat in 56:55             |
| 8  | 2 |   |        |       |                                  |                          |
| 10 | 2 |   |        |       |                                  |                          |
| 12 | 2 |   |        |       |                                  |                          |

| H  | K | H | Course | Wind | Remarks                         | on Tuesday October 22 Day |
|----|---|---|--------|------|---------------------------------|---------------------------|
| 2  | 5 |   | SE     | WSW  | the first part of this 24 hours | Course E 2 S W            |
| 4  | 5 |   |        |      | fresh Breezes of wind at 10     | Dist 166 miles            |
| 6  | 5 |   | East   | SSW  | pm hauled the main top sail     | Lat 64 miles              |
| 8  | 5 |   |        |      | at 4 pm Squally and Rain        | Lat in 45:35              |
| 10 | 5 |   |        |      | and all Sail at 6 pm            | Sp 152 miles              |
| 12 | 4 |   | Ditto  | SW   | made Sail withing Remarks       | ML 242 miles              |
| 2  | 4 |   |        |      |                                 | Long 215 miles            |
| 4  | 3 |   |        |      | Lat in By H Counte 56:32        | Long in 53:20             |
| 6  | 3 |   |        |      |                                 |                           |
| 8  | 3 |   |        |      |                                 |                           |
| 10 | 6 |   |        |      |                                 |                           |
| 12 | 6 |   |        |      |                                 |                           |



| hr | K | HK | Course   | Winds   | Remarks  | on  | Wednesday | 23 of October |
|----|---|----|----------|---------|--|---|-----------|---------------|
| 2  | 7 | -  | East     | waft    | the first part of this 24 hours<br>fresh Breezes of wind and<br>fair weather at 5 Am hove<br>too under Balance main sail<br>at 6 pm Saw a sail bearing<br>NBE 3 Leagues Distance at<br>pm we spoke with her she<br>was a French Schooner<br>out of Saint Peters<br>Lad in By Obs 45 = 49 | Course E 14 m<br>Dist 58 m<br>Lat 14 m<br>Lat in 45: 4<br>Dp 56 m<br>MD 298 m<br>Long 60 m<br>Long in 52: 1 |           |               |
| 4  | 7 | -  |          |         |  |   |           |               |
| 6  | 3 | -  |          |         |  |   |           |               |
| 8  |   | -  |          |         |  |   |           |               |
| 10 |   | -  | Haded up | SW Doto |  |   |           |               |
| 12 |   | -  | ful of   | South   |  |   |           |               |
| 2  |   | -  |          |         | the first part of this 24 hours<br>fresh Breezes of wind and<br>fair weather at 5 Am hove<br>too under Balance main sail<br>at 6 pm Saw a sail bearing<br>NBE 3 Leagues Distance at<br>pm we spoke with her she<br>was a French Schooner<br>out of Saint Peters<br>Lad in By Obs 45 = 49 | Course E 14 m<br>Dist 58 m<br>Lat 14 m<br>Lat in 45: 4<br>Dp 56 m<br>MD 298 m<br>Long 60 m<br>Long in 52: 1 |           |               |
| 4  |   | -  |          |         |  |   |           |               |
| 6  |   | -  |          |         |  |   |           |               |
| 8  | 5 | 1  | North    | Doto    |  |   |           |               |
| 10 | 5 | -  | SS E     |         |  |   |           |               |
| 12 | 6 | -  |          |         |  |   |           |               |

| H  | K | HK | Course | Winds | Remarks on Thursday 24 of October     |               |
|----|---|----|--------|-------|---------------------------------------|---------------|
| 2  | 4 | -  | SS E   | waft  | the first part of this 24 hours       | Course S 8 m  |
| 4  | 4 | -  | SE B   | Doto  | fresh Breezes of wind and             | Dist 44 mi    |
| 6  | 4 | -  |        |       | Bad Sea at 4 pm Saw a Sail            | Lat 79 mi     |
| 8  | 2 | -  | SSW    | wB    | at 6 fired upon her and one           | Lat in 44: 2  |
| 10 | 7 |    |        |       | hour & a half then lost her, followed | Dp 10 mil     |
| 12 | 7 |    |        |       | her all right at 11 after 6 in        | MD 288 m      |
| 2  | 7 |    |        |       | Morning Engaged her and fight til     | Long 14 m     |
| 4  | 5 |    |        |       | 10 had our Riggen very much           | Long in 52: 1 |
| 6  | 4 |    |        |       | Cut away was first to leave           |               |
| 8  | 2 | 1  | NBE    | SW    | her the lower part of her             |               |
| 10 | 2 | -  | NBE    | Doto  | ow from England and had a great       |               |
| 12 | 4 |    |        |       | number of troops on board 44: 28      |               |

| H  | H | HK | Course   | Winds | Remarks   | on   | Friday | the 25 of | October |
|----|---|----|----------|-------|---|--|--------|-----------|---------|
| 2  | 4 | -  | SSW      | SW    | the first part of this 24 hours<br>Light Breezes of wind and<br>pleasant at 6 Am hove too<br>under 2 Key main sail & fore<br>sail the Seaman done employ<br>splitting our Rigging Shot away<br>in said fifth fore top sail sheet &<br>tie fore peak tie top sail Braces<br>main & fore & fore tie Bloke String<br>our masts & sails are wavy but<br>of magnificent Bats 45 = 39 miles | Course WBS<br>Dist 50 mi<br>Lat 10 mi<br>Lat in 45: 39<br>Dp 99 mi<br>MD 239 mi<br>Long 70 mi<br>Long in 53: 2 |        |           |         |
| 4  | 4 | -  |          |       |   |  |        |           |         |
| 6  | 3 | -  |          |       |   |  |        |           |         |
| 8  |   | -  | Haded up | SW    |   |  |        |           |         |
| 10 |   | -  | ful of   | W SW  |   |  |        |           |         |
| 12 |   | -  |          |       |   |  |        |           |         |
| 2  |   | -  |          |       |   |  |        |           |         |
| 4  |   | -  |          |       |   |  |        |           |         |
| 6  |   | -  |          |       |   |  |        |           |         |
| 8  | 2 | -  |          | waft  |   |  |        |           |         |
| 10 | 3 | -  |          |       |   |  |        |           |         |
| 12 | 3 | -  |          | Doto  |   |  |        |           |         |

| H  | K | HK | Course   | Winds | Remarks  | on   | Saturday | the 26 of October |
|----|---|----|----------|-------|--|--|----------|-------------------|
| 2  | 5 | 1  | waft     | South | the first part of this 24 hours<br>midst Breezes of wind at South<br>at 6 Am hove too under Balance<br>main sail fresh wind at SSE<br>the later part Rain & foggy<br>at 6 Am had the main sail<br>Calme caught Saw a Cod fish<br>All well on Board | Course WBS<br>Dist 29 m<br>Lat 8 m<br>Lat in 45: 3<br>Dp 18 m<br>MD 221<br>Long 86<br>Long in 53: 30 |          |                   |
| 4  | 4 | -  |          |       |  |  |          |                   |
| 6  | 2 | -  | Doto     | Doto  |  |  |          |                   |
| 8  |   | -  | Haded up | SW    |  |  |          |                   |
| 10 |   | -  |          |       |  |  |          |                   |
| 12 |   | -  |          |       |  |  |          |                   |
| 2  |   | -  | Calme    |       |  |  |          |                   |
| 4  |   | -  |          |       |  |  |          |                   |
| 6  |   | -  | Haded    | South | ESE  |  |          |                   |
| 8  |   | -  |          |       |  |  |          |                   |
| 10 |   | -  |          |       |  |  |          |                   |
| 12 |   | -  |          |       |  |  |          |                   |



W K H Corp wind remarks on Sunday 27 of October

| W  | K | HK | Corse   | Winds                               | Remarks   | On Monday the 28 of October |
|----|---|----|---------|-------------------------------------|-----------|-----------------------------|
| 23 | - | -  | waft    | was the first part of this 24 hours | Corse S 4 |                             |
| 13 | - | -  | up waft | off SW Light Breezes of wind and    | Dist 43   |                             |
| 69 | - | -  |         | Smooth Sea at 9 AM Sat              | Lat 40m   |                             |
| 10 | - | -  |         | Calm all sail Run out our guns      | Lat in 1  |                             |
| 12 | - | -  |         | fore and aft Saw nothing            | Dp 16     |                             |
| 2  | - | -  |         | Light and after Remarkable to Day   | MD 20     |                             |
| 4  | - | -  |         |                                     | Long 25   |                             |
| 6  | - | -  |         |                                     | Long in 5 |                             |
| 8  | - | -  |         |                                     |           |                             |
| 10 | 2 | 1  | ESE     | South Lat By Obs 44 36              |           |                             |
| 12 | 3 | 2  |         |                                     |           |                             |

| No | K | HK | Corse   | wtm | Remarks                                | On Tuesday the 29 of October |
|----|---|----|---------|-----|--|------------------------------|
| 2  | 4 | -  | W B     | SW  | the first part of the 24 hours         | Corse 20                     |
| 7  | 6 | +  |         |     | brush Breeze of wind & pleasant        | Dist 18                      |
| 6  | 7 |    |         |     | standed maintop sail & fore sail       | Lat 49                       |
| 8  | 4 |    | W B     | SW  | the wind Blow a gail at 8 Am           | Sp 18                        |
| 10 | 4 |    |         |     | at 4 W at 9 Am wore Ship               | md 18                        |
| 2  | 4 |    |         |     | & put the Boom in the Sturboard Crotch | Long 26                      |
| 6  | 4 |    | of SW   |     | at 9 pm saw the Brig under sail &      | Long 5                       |
| 8  | 4 |    | up west | W B | stood after haul at 10 pm fired 3      |                              |
| 10 | 4 |    | SS E    | W B | Guns & then Brought her too then       |                              |
| 2  | 4 |    |         |     | then                                   |                              |

| H  | K | HK | Course | Wind     | Remarks                                |           |
|----|---|----|--------|----------|--|-----------|
| 2  | 2 | 1  | SSE    | N E      | Left Port went to Board & She          | Course    |
| 1  | 5 | -  | W SW   |          | was a French man from Saint Peter's    | Draft     |
| 6  | 1 | 1  |        |          | the first of this 24 hours light winds | Lat       |
| 8  | 0 | 0  | up     | with N E | & thick weather at 6 p.m. hove too     | Long      |
| 2  | 2 | 2  |        |          | under the fore sail at 8 A.M. saw      | Landing   |
| 2  | 2 | 2  |        |          | a French Sloop from Saint Peter's      | Dp 32     |
| 6  | 3 | 1  | W SW   | South    | at 2 p.m. Bordered her and she was     | m D 13    |
| 8  | 3 | 1  |        |          | Bound to Goredaloup so we              | * Long    |
| 10 | 7 | 7  | SW     | Do       | Left her we Steezed is                 | Longitude |
| 2  | 7 | 7  |        |          | very poorly                            |           |



| K                  | HK | Course | Winds     | Remarks on Thursday October the 31 Day |           |
|--------------------|----|--------|-----------|--|-----------|
| 2                  | 5  | -      | W SW wind | the first part of this 24 hours fresh  | Course 33 |
| 4                  | 4  | -      | -         | Breezes of wind and Squally at         | Dist 68   |
| 6                  | 6  | -      | -         | 2 pm took 2 Reef main sail &           | Lat 54    |
| 8                  | 4  | -      | -         | handed fore top sail at 4 pm saw       | Lat 54    |
| 10                 | 4  | -      | -         | A ship Baring west & we                | Lat 54    |
| 12                 | 3  | 1      | SW by NW  | held the wind & stood for her          | Sp 4      |
| 2                  | 4  | -      | -         | at 5 pm The Bore Down to               | MD 112    |
| 4                  | 3  | 1      | SW by W   | downward of us & held up her           | Long 56   |
| 6                  | 1  | -      | -         | & fired 9 Guns at us we took her       | Long 56   |
| 8                  | 4  | -      | -         | to be a ship of war & it being         | Long 56   |
| 10                 | 3  | -      | SSE       | bad weather & night coming on          |           |
| 12                 | 3  | -      | W         | we left her later part pleasant        |           |
| Lat By obs 43-02 m |    |        |           |  |           |

| K  | HK | Course | Winds   | Remarks on Friday November 1      |           |
|----|----|--------|---------|-----------------------------------|-----------|
| 2  | 4  | -      | W by SW | the first part of this 24 hours   | Course 33 |
| 4  | 4  | -      | -       | fresh Breezes of wind & pleasant  | Dist 71   |
| 6  | 3  | 1      | -       | weather later part thick and      | Lat 24    |
| 8  | 1  | -      | W by SW | a bad sea at 4 pm (arrived on)    | Lat 24    |
| 10 | 4  | -      | -       | the Pintail Boom handed the       | Lat 24    |
| 12 | 3  | -      | W by SW | fore top sail at 10 pm handed the | Sp 67     |
| 2  | 3  | -      | -       | main sail & Til & hove too under  | MD 15     |
| 4  | 4  | -      | W by SW | hol fore sail the wind Bloor very | Long 92   |
| 6  | 1  | -      | -       | hard at South we obs variation to | Long 92   |
| 8  | 4  | -      | -       |                                   | Long 92   |
| 10 | 4  | -      | -       |                                   | Long 92   |
| 12 | 1  | -      | W by SW |                                   | Long 92   |

| K  | HK | Course | Winds   | Remarks on Saturday November 2       |           |
|----|----|--------|---------|--------------------------------------|-----------|
| 2  | up | -      | W by SW | the first part of this 24 hours      | Course 33 |
| 4  | up | -      | W by SW | it blows a gail at South at 10       | Dist 23 m |
| 6  | up | -      | SSE     | hove too under the fore sail at 4    | Lat 22    |
| 8  | up | -      | SSE     | pm held the fore sail Down & sat     | Lat 22    |
| 10 | up | -      | SSE     | the Balance main sail at pm          | Lat 22    |
| 12 | up | -      | SSW     | wave & put the Boom in the harbor    | Sp 3 mil  |
| 2  | up | -      | -       | Crotch at 2 pm the wind moderates at | MD 48     |
| 4  | up | -      | -       | 10 Am it blows a gail at SSW         | Long 5    |
| 6  | up | -      | -       | Squally & Rain ahead Sea             | Long 5    |
| 8  | up | -      | -       | the mumps is very plenty             | Long 5    |
| 10 | up | -      | -       |                                      | Long 5    |
| 12 | up | -      | -       |                                      | Long 5    |

| K  | HK | Course | Winds   | Remarks on Sunday November 3        |           |
|----|----|--------|---------|-------------------------------------|-----------|
| 2  | up | -      | W by SW | the first part of this 24 hours the | Course 33 |
| 4  | up | -      | W by SW | wind blows a gail at NW being       | Dist 50   |
| 6  | up | -      | -       | too under 3 Reef main sail at 6     | Lat 48    |
| 8  | up | -      | -       | pm sat the fore sail & stood to     | Lat 48    |
| 10 | up | -      | -       | the SW Squally & fresh wind         | Sp 14 mil |
| 12 | up | -      | -       | at 6 pm sat the main sail & kept    | MD 34     |
| 2  | up | -      | -       | fore top sail                       | Long 20   |
| 4  | up | -      | -       |                                     | Long 20   |
| 6  | up | -      | -       |                                     | Long 20   |
| 8  | up | -      | -       |                                     | Long 20   |
| 10 | up | -      | -       |                                     | Long 20   |
| 12 | up | -      | -       |                                     | Long 20   |

Lat By Obs 45-00 m



| H  | K       | HK | Course | Wind | Remarks on Monday November 4 <sup>th</sup> Day 26   |             |
|----|---------|----|--------|------|---|-------------|
| 2  | 2       | -  | SW     | waft | the first part of this 24 hours<br>Light Breezes of wind and<br>fair weather at 6 pm hauled<br>topsails & took 2 Reef main<br>Sail at 10 pm it blows again<br>at 11 hove too under 3 & 4 M.<br>at 6 pm set the fore sail &<br>Reef fore ribs to Day | Course 539W |
| 4  | 3       | -  | SW     | W    |   | Lift 54     |
| 6  | 4       | -  |        |      |   | Lat 42-28   |
| 8  | 3       | -  |        |      |   | Lat 42:28   |
| 10 | 4       | -  |        |      |   | Lat 42:28   |
| 12 | 2       | -  |        |      |   | Lat 42:28   |
| 2  | up waft | -  | Doto   | Doto |   | Lat 42:28   |
| 4  | of SW   | -  |        |      |   | Lat 42:28   |
| 6  |         | -  |        |      |   | Lat 42:28   |
| 8  | 3       | -  | waft   | SW   |   | Lat 42:28   |
| 10 | 3       | -  |        |      |   | Lat 42:28   |
| 12 | 3       | -  | Doto   | Doto |   | Lat 42:28   |
|    |         |    |        |      |   | Long 95-15  |

| H         | K | IK | Course | Wind  | Remarks on Tuesday 5 <sup>th</sup> 1776 Oct 27  |             |
|-----------|---|----|--------|-------|---|-------------|
| 2         | 3 | 1  |        |       | the first Part of this 24 hour<br>fresh Breeze of Wind and<br>thick Weather at 3 pm saw<br>a Ship about 4 Miles to<br>Windward of us Standing<br>to the Eastward we hove<br>about and stood for her it<br>came on Night and Squally<br>and we Lost sight of her<br>this Day James Wilson and<br>John Chagnole Bought from<br>Gotham Doyal one Quarter of<br>one share for Eight Pound<br>Ten Shillings each Tenner<br>Before Capt Isaac Snow and<br>Lieut Benjamin Lemont | Course 527W |
| 4         | 3 | 1  | waft   | SW    |   | Lift 72     |
| 6         | 3 | 1  |        |       |   | Lat 69      |
| 8         | 7 |    | ESE    | North |   | Lat 41:4    |
| 10        | 4 |    | W      | W     |   | Lat 41:4    |
| 12        | 4 |    |        |       |   | Lat 41:4    |
| 2         | 3 | 1  |        |       |   | Lat 41:4    |
| 4         | 2 | 1  |        |       |   | Lat 41:4    |
| 6         | 2 |    |        |       |   | Lat 41:4    |
| 8         | 2 |    |        |       |   | Lat 41:4    |
| 10        | 2 |    |        |       |   | Lat 41:4    |
| 12        | 1 |    |        |       |   | Lat 41:4    |
| Ob/ 41-24 |   |    |        |       |   |             |

| H  | K | HK | Course | Wind | Remarks on Wednesday November 6 <sup>th</sup> 1776 | out 28          |
|----|---|----|--------|------|--|-----------------|
| 2  | 1 | 1  | SE     | WSW  | This Day Begins with moderate                      | Course 68E      |
| 4  | 1 | 1  | SE     | WSW  | winds and fair weather. Smooth                     | Dist 64         |
| 6  | 2 | 1  | SE     | WSW  | Sea at 6 pm hauled the fly                         | x Lat 62        |
| 8  | 2 | 1  | SE     | WSW  | ing jib and set sail moderate                      | Lat 62-6        |
| 10 | 3 | 1  | SE     | WSW  | & flying clouds at 10 pm hauled                    | Dist 12         |
| 12 | 3 | 1  | SE     | WSW  | the top sails Squally at 7 pm                      | Lat 30 miles    |
| 2  | 3 | 1  | SE     | WSW  | Set the fore top sail                              | x Long 17 miles |
| 4  | 1 | 1  | SE     | WSW  | Lat By Obs 42-6                                    | Long 59 40      |
| 6  | 2 | 1  | SE     | WSW  |  |                 |
| 8  | 2 | 1  | SE     | WSW  |  |                 |
| 10 | 2 | 1  | SE     | WSW  |  |                 |
| 12 | 2 | 1  | SE     | WSW  |  |                 |

| H  | K | HK | Course | Winds | Remarks on Thursday November 7 1776 |               |
|----|---|----|--------|-------|-------------------------------------|---------------|
| 2  | 2 | 1  | W Bw   | Wgt   | this Day Begins with midnet         | Course W      |
| 4  | 2 | 1  | W Bw   | W Bw  | gails & fair weather head sea       | Drift 64      |
| 6  | 2 | 1  | W Bw   | W Bw  | at 8 am set top galant sails &      | Lat 47 mile   |
| 8  | 2 | 1  | W Bw   | W Bw  | flying jib pleasant weather         | Lat 42:53     |
| 10 | 2 | 1  | W Bw   | W Bw  | Blooded Gorge Combs at 10 am        | Drift 22 mile |
| 12 | 2 | 1  | W Bw   | W Bw  | Exercising the men                  | Drift 64 mile |
| 2  | 2 | 1  | W Bw   | W Bw  | Lat By Obs 42:53                    | Long 64 mile  |
| 4  | 2 | 1  | W Bw   | W Bw  |                                     | Long 64 mile  |
| 6  | 2 | 1  | W Bw   | W Bw  |                                     | Long 64 mile  |
| 8  | 2 | 1  | W Bw   | W Bw  |                                     | Long 64 mile  |
| 10 | 2 | 1  | W Bw   | W Bw  |                                     | Long 64 mile  |
| 12 | 2 | 1  | W Bw   | W Bw  |                                     | Long 64 mile  |



| K                        | H | Courses | winds      | Remarks                                 | On Friday November 8 1776 |
|--------------------------|---|---------|------------|---|---------------------------|
| 2                        | 3 | 1       | W by W SSW | This Day Begins with pleasant           | Course W by N             |
| 4                        | 3 | 1       | S to E     | weather the wind at SE at 6 pm          | Dift 132                  |
| 6                        | 3 | 1       | S to E     | top sail at 8 fresh winds at East       | Lat 50 m                  |
| 8                        | 5 | 1       |            | at 6 am 2 fresh main sail at 6 am       | Lat 43 m                  |
| 10                       | 5 | 1       |            | hand fore top sail at 9 am tuck         | D p 122                   |
| 12                       | 5 | 1       |            | in 2 feet main sail m <sup>r</sup> Stag | M D 186                   |
| 2                        | 8 | -       |            | pol is very Sick with Colick            | Long 170                  |
| 4                        | 9 | -       | W by N     | Saw nothing Remarkable this             | Long 63 m                 |
| 6                        | 7 | -       |            | 24 hours                                |                           |
| 8                        | 5 | 1       | W by W     |   |                           |
| 10                       | 5 | 1       |            |   |                           |
| 12                       | 4 | 1       |            |   |                           |
| Totham John Wilson David |   |         |            |   |                           |

| H                  | K | H | Courses | winds  | Remarks                          | On Saturday November 9 1776 |
|--------------------|---|---|---------|--------|----------------------------------|-----------------------------|
| 2                  | 5 | - | W by W  | N E    | This Day Begins with fresh gales | Course S by E               |
| 4                  | 5 | - |         |        | of wind at N E at 6 pm hand      | Dift 109                    |
| 6                  | 5 | - |         |        | the main sail and Tib and Cloft  | Lat 60                      |
| 8                  | 4 | 1 | W by S  | S to E | Kept the fore top sail a Bad Sea | Lat in 42                   |
| 10                 | 4 | 1 |         |        | at 6 pm made sail so Ends        | D p 90                      |
| 12                 | 5 | - |         |        | this 24 hours with fair weather  | M D 276                     |
| 2                  | 5 | - |         |        |                                  | Long 123                    |
| 4                  | 5 | - |         |        |                                  | Long 65 m                   |
| 6                  | 5 | - |         |        |                                  |                             |
| 8                  | 4 | - | W by W  | S to E |                                  |                             |
| 10                 | 5 | - |         |        |                                  |                             |
| 12                 | 5 | - |         |        |                                  |                             |
| Lat By Obs 42 - 43 |   |   |         |        | Observed                         |                             |
|                    |   |   |         |        | David Wing                       |                             |

| H                        | K     | H | Courses | winds | Remarks                            | On Sunday November 10 1776 |
|--------------------------|-------|---|---------|-------|------------------------------------|----------------------------|
| 2                        | 5     | - | W by W  | N E   | The first part of this 24 hours    | Course W by N              |
| 4                        | 4     | - |         |       | fresh Breezes of wind and pleasant | Dift 36                    |
| 6                        | 3     | - | W by N  | N E   | at 4 pm hove too and caught Sun    | Lat 1 m                    |
| 8                        | 2     | 1 | W by N  | North | high moderate and pleasant water   | Lat in 42                  |
| 10                       | 2     | 1 |         |       |                                    |                            |
| 12                       | 2     | 1 | W by W  | -     | at 8 Am Drawd and Bloo of          | D p 36                     |
| 2                        | 2     | - |         |       | the Cannon at 10 Am fired Sun      | M D 312                    |
| 4                        | 2     | - |         |       | Empty water Casks nothing          | Long 48                    |
| 6                        | 2     | - |         |       | More Remarkable                    |                            |
| 8                        | 2     | - |         |       |                                    |                            |
| 10                       | Calms | - |         |       |                                    |                            |
| 12                       | Calms | - |         |       |                                    |                            |
| Lat By Obs 42 - 42 North |       |   |         |       |                                    | Long 66 25                 |

| A                        | K | H | Courses | winds  | Remarks                                   | On Monday November 11 1776 |
|--------------------------|---|---|---------|--------|---|----------------------------|
| 2                        | - | - | Calms   |        | The first of this 24 hours all moderate   | 14                         |
| 4                        | 2 | - | North   | W by N | & pleasant at 2 pm fired 8 Guns           | 6                          |
| 6                        | 2 | - |         |        | to the W by W at 6 pm hove too the flying | 80                         |
| 8                        | 1 | - |         |        | Gun & Stock & maintop sail & kept         | 9                          |
| 10                       | 1 | - |         |        | the fore top sail & main sail at there    |                            |
| 12                       | 1 | - |         |        | Made mended mended the Land of            |                            |
| 2                        | - | - | Calms   |        | Mount Desert fresh Breezes                |                            |
| 4                        | 3 | - | W by W  | N E    | of wind                                   |                            |
| 6                        | 5 | - |         |        |   |                            |
| 8                        | 5 | - |         |        |   |                            |
| 10                       | 5 | - |         |        |   |                            |
| 12                       | 5 | - |         |        |   |                            |
| Totham John Wilson David |   |   |         |        |   |                            |



# Middle Latitude Sailing part. 3<sup>th</sup>

given course and Departure To finde the Distance and  
 x of Latitude and Example so suppose a ship sails 858  
 Tell her Departure from the meridian was 272 miles  
 Demand how her Distance and x of Latitude and x of  
 Longitude Latitude Sailed from 38° 25' N

Latitude sailed from 38° 25' N  
 x of Latitude - - 1-53 8  
 Latitude come to - 36° 32'  
 Comp of Latitude - 34° 57'  
 mid Latitude - 37° 28'  
 90 - 00  
 Sine comp of mid lat 52 - 32

as the Sine of the course 69  
 is to the Departure 272 miles  
 So is Radius  
 To the Distance

as the Sine of the course 69  
 is to the Distance  
 So is the Sine comp of the course  
 To the x of Latitude

as the Sine comp of mid lat  
 is to the Departure 272 miles  
 So is Radius  
 To the x of Longitude





# Middle Latitude Sailing Part <sup>th</sup> 4

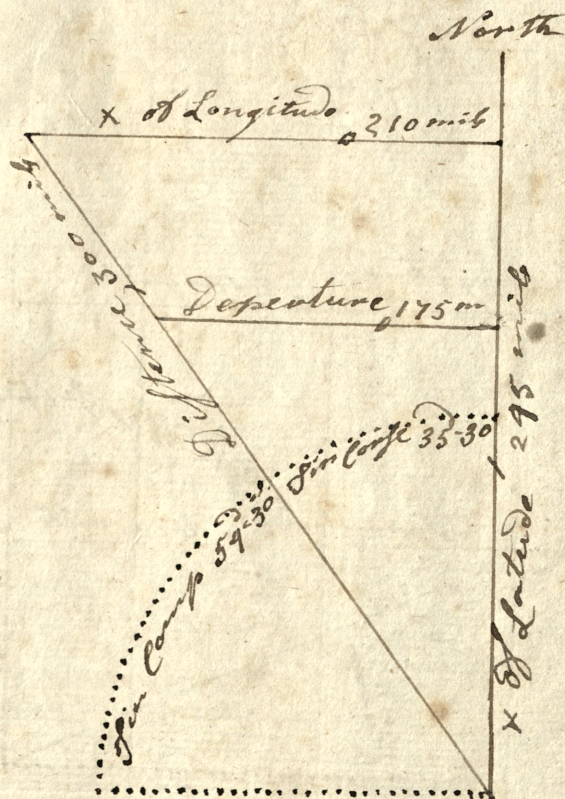
Given Distance and  $\times$  of Latitude To find the Course and  
Departure and  $\times$  of Longitude Example Suppose a Ship  
between the North and West 300 miles her  $\times$  of Latitude  
245 miles, Demands her True Course and Departure and  
 $\times$  of Longitude She Sails from Latitude  $16.30^m$  A

as the Distance 300 miles  
is to Radians

So is the  $\times$  of Latitude 245  
To the Sine comp of the

as Radians is to the Distance  
So is the Sine of the Course  
To the Departure

as the Sine comp of middle  
is to the Departure  
So is Radians  
To the  $\times$  of Longitude





# Middle Latitude Sailing Part 5<sup>th</sup>

given ~~Course~~ Difference and Departure To find the  $\times$  of Latitude and  $\times$  of Longitude Example so pose a Ship sails Between the South and west 350 miles her Departure was 175 miles Demand her True Course and  $\times$  of Latitude and  $\times$  of Longitude Latitude sailed from 40-10 N Longitude sailed from 62-20 W

Latitude sailed from 40-10 N Longitude 62-20 W  
 $\times$  of Latitude - - 5-28

Latitude Com to - 35-8

Comp of Latitude - 75-18

middle Latitude - 37-39

90-00

Sine Comp middle Lat 2-21

Longitude sailed from 62-20

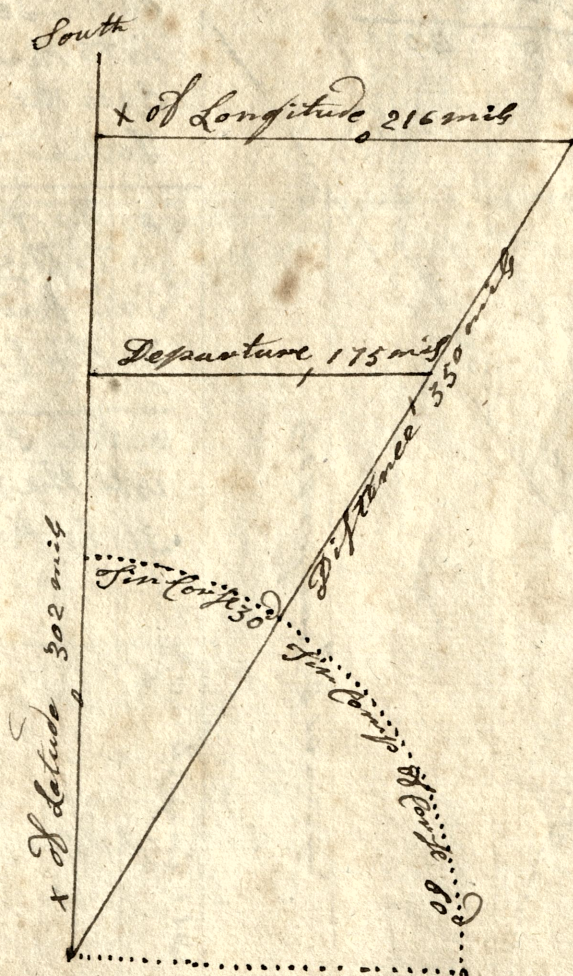
$\times$  Longitude - 3-36

Longitude Com to - 65-56

as the Difference 350 miles is To Radius  
 So is the Dept of 175 miles To the Sine of the Course

as Radius is To the Left 350 miles  
 So is the Sine Comp of the Course To the  $\times$  of Latitude

as the Sine Comp of the middle Lat  
 is to the Departure 175 miles  
 So is Radius to the  $\times$  of Longitude





# Middle Latitude Sailing part <sup>th</sup> 5

given the Latitudes of Two ports and their Longitudes —  
To finde the True Course and Distance and Dept —

Example Suppose one port Lay, in Latitude of  
36.30<sup>m</sup> N and Longitude of 50.30<sup>m</sup> W another port  
Lay in Latitude of 46.10<sup>m</sup> N and Longitude 69.40<sup>m</sup> W  
I Demande the True Course and Distance Between  
them and Departure

ports Latitude 46.10<sup>m</sup> N  
36.30<sup>m</sup> N

19.40

60

x Latitude = 580 miles

Comp of Latud = 82.40

middle Latud = 41.20

Lat 90.00

Sine Comp miles 48.40

ports Longitude 69.40 W

50.30 W

19.10

60

10

114

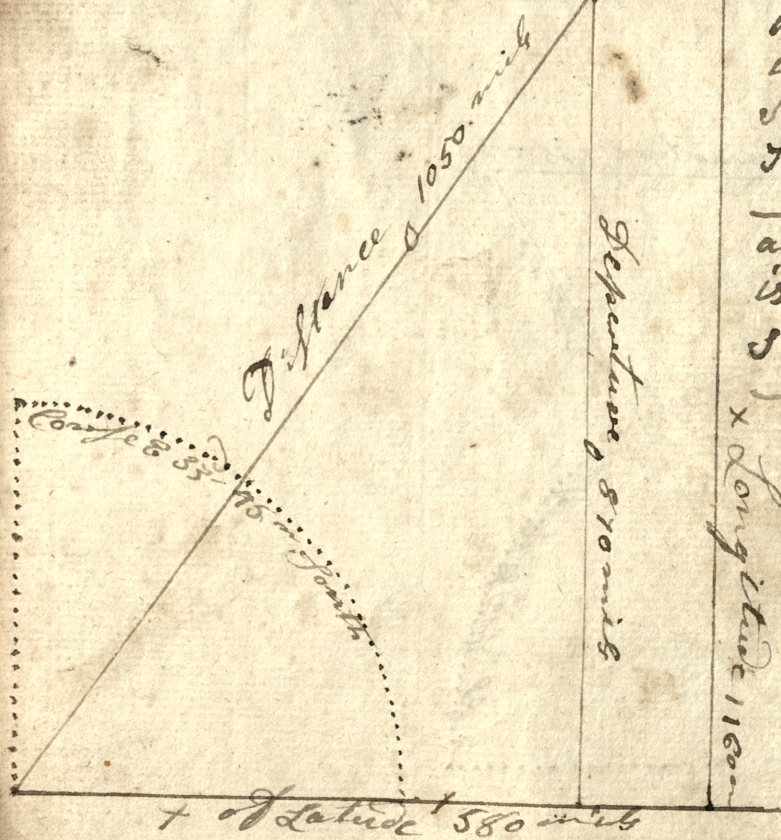
x of Longitude 1160 in miles

as Radius —

is to the x of Longitude 1160 miles  
So is the Sine comp of middle Lat  
To the Departure

as the x of Latitude 580 miles  
is to the Departure  
So is Radius a Tangent of  $\frac{82}{2}$   
To the Comp of the Course

as the Sine comp of Course  
is to the x of Latitude 580 miles  
So is Radius to the Dist

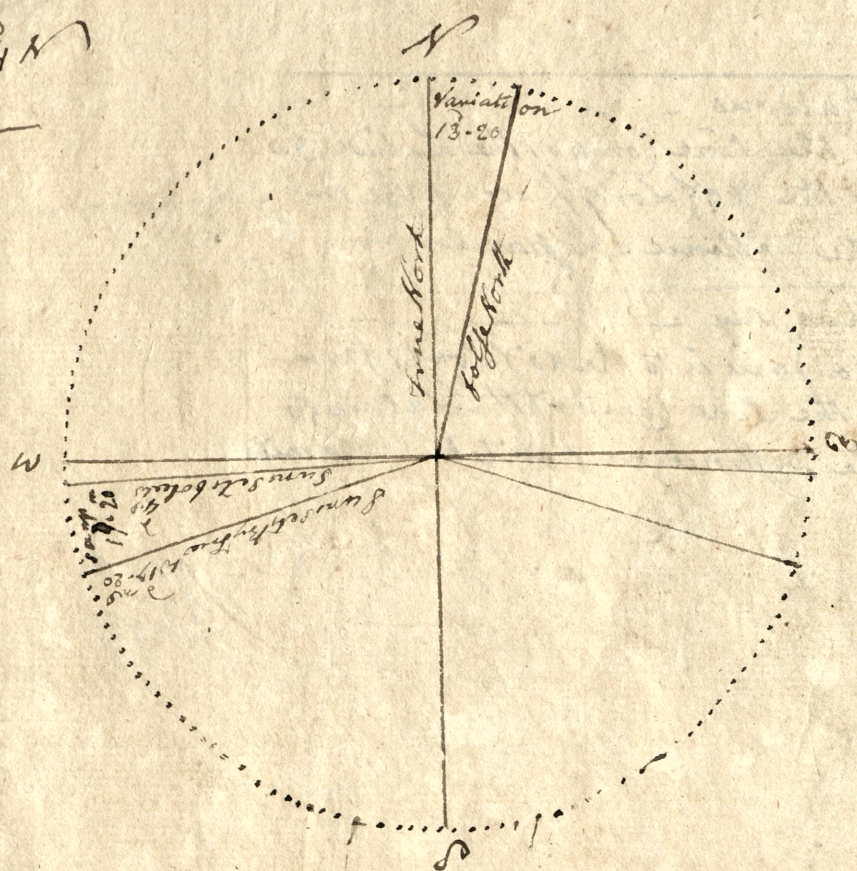




# How To work an Amplitude and finde the Variation of

Given the Latitude of a port and the Suns Dec To finde  
 the Suns True amplitude and the Variation of the compass  
 Note the Suns amplitude is what she Riset or sets in Degree  
 or mile from the East or west poyn<sup>t</sup> of the compass if your  
 Dec of the Sun be South Dec then the sun Riset to the  
 South of East and sets to the South of west by the True  
 Compass but if North Dec she Riset to the North of East  
 and sets to the North of west Example in Latitude of  
 44 North the Suns Dec was  $12^{\circ} 30' S$  if finde by the compass  
 the steare by the sun sets west  $48^{\circ}$  if Demand the Suns  
 amplitude and the Variation of my compass

the Latitude  $44^{\circ} N$   
 Subtracted  $90$   
 Sine Comp Latitude  $46$



as the Sine Comp of the Latitude  $46$   
 is to Radius — — — — —  
 So is the Sine of the Suns Dec  $12^{\circ} 30' S$   
 To the Sine of the amplitude  $47^{\circ} 20' S$



# Paricle Saling part <sup>th</sup><sub>5</sub>

given the Latitude of 2 ports in one Latitude and the Longitude  
of the ports To finde the Distance Between them Example So  
pose 2 ports Both Laying in Latitude of 40 North the west  
or must port Lays in Longitude of 62. 40<sup>m</sup>W the other  
in Longitude of 30. 30<sup>m</sup>W Demand the True Distance that  
is Between them which is your Departure or meriden Dist

the Latitude the ports Lays in 40 N } the Longitude first p 62. 40<sup>m</sup>  
Subtracted from - - - 90 } the Longitude of the 2<sup>d</sup> p 30. 30<sup>m</sup>  
the Sine Comp of the Latitude - 50 } x of Longitude - - 32. 10

60  
10  
192

mils - 1930

as Raidous - - -  
is to the Sine Comp of the Latitude 50  
So is the x of Longitude 1930 m  
To the Distance on Paricles - -

or thus say - - -  
as Raidous is to the x of Long 1930 m  
So is the Sine Comp of the Latitude 50  
To the Distance on Paricle 1490 mils

1859  
1772  
87



# Paralleling Part <sup>th</sup> 2

given the Latitude of 2 ports in one Latitude and their True Distance  
a Sinder To find the  $\times$  of Longitude Between them

Example 2 ports A and B lay in Latitude  $37^{\circ}N$  ~~at~~ days  
in ~~Longi~~ Distance 2050 miles A is the Westernmost port  
and lay in Longitude of  $80-32^m W$  Demand the  $\times$  of  
Longitude Between the ports and what Long B lay in

the Latitude of the ports  $37$

from  $90$

Sine Comp of the Lat  $53$

the Longitude of A  $80-32^m W$

$\times$  of Longitude  $42-40^s$

the Longitude of B  $37-52$

as the Sine Comp of the Lat  $53$   
is to the Distance on parallel 2050 m  
So is ~~Maids~~  $2560$   
To the  $\times$  of Longitude 2560 miles

$\times$  of Longitude in miles  $2560$   $(42-40^s)$

$240$

$0160$

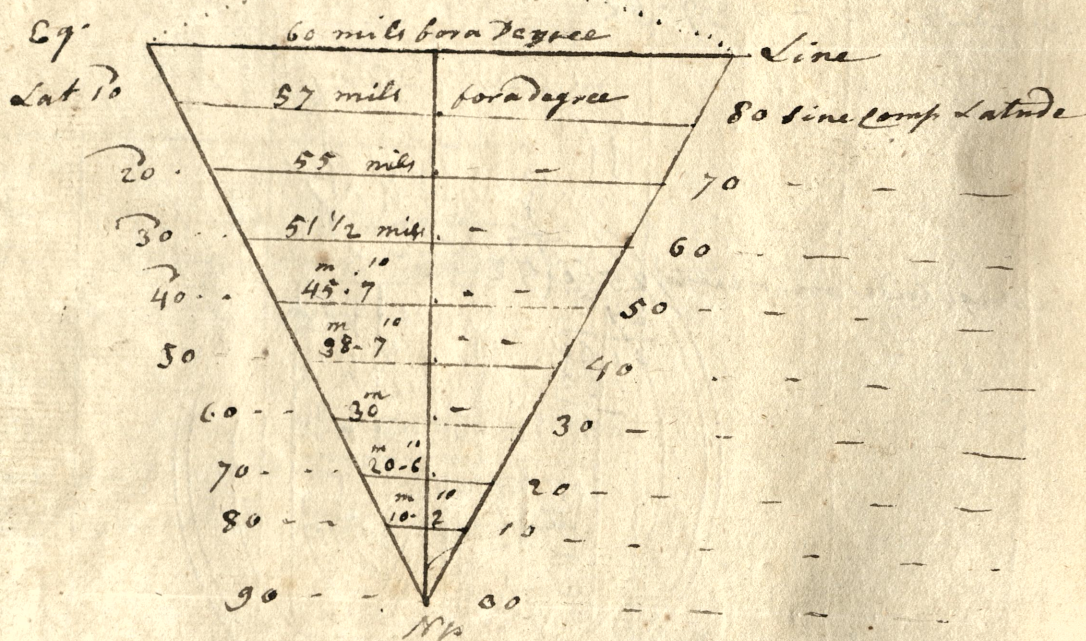
$120$

$040$



# Parallel Sailing or how to finde how many miles

Rules To finde how many miles will make a Degree of Longitude in any Latitude. Note 60 miles East or west make a Degree of Longitude on the Equinoctial Line and as you sail to the North or South as you Draw Nearer the pole it Takes Less Numbers of miles East or west to make a Degree of Longitude Example Suppose it Be Required to know how many miles will make a Degree of Longitude in Latitude 10 from the Equinoctial Line to the North or South pole Demand an answer to the same



as the Sine comp of the Latitude is to Radius — So is 60 miles to a Degree of Longitude

2-10

2 5



How To mark a Log Line and prove a glass is a follows —  
 first To prove a glass Take a Twine or Thread and hang a musket  
 Ball at the End and measure from the middle of the Ball  $38\frac{1}{2}$   
 Inches make an Ewe on one End and hang it on a small  
 pin Draw a Line Right under where the Ball plums —  
 and Take your glass in your hand ready To Turn when the Ball  
 Begins To Swing and Every Time the Ball crosses the Line  
 while your glass runs is a Second of Time as many Times  
 as he crosses the Line while the glass runs so many —  
 Seconds is your glass the most common glasses is 28 Seconds Long  
 and if your glass be 28 Seconds and you are a going  
 To mark your ~~Log~~ Log Line Note the Rule is 30 Seconds  
 of Time gives 50 feet of Line

$$\begin{array}{r}
 30 - 50 - 28 \\
 \quad \quad 30 \\
 \hline
 \quad \quad 100 \\
 \quad 140 \text{ feet Inches} \\
 \hline
 30 \overline{) 1400} \quad 46 - 8 \\
 \quad \underline{120} \\
 \quad \quad 200 \\
 \quad \quad \underline{180} \\
 \quad \quad \quad 20
 \end{array}$$

To mark your Line first Set off for Stray Line the Length  
 of your Vessel's Keel then put in your Line a Reed Knap —  
 then at Every 46 feet and 8 Inches mark a Knot and in the middle  
 Between Every Knot put in a half Knot







Rules To finde your  $\times$  of Lat and  $\times$  of Longitude  
of any ports that is layed Down in the Books  
Note if both ports Lays in North Latitude you must  
Subtract the less from the greater and the Remander  
is the  $\times$  of Latitude But if one port is in North Latitude  
and the other in South add them together and the  
Sum is the  $\times$  of Latitude also to finde the  $\times$  of Longitude  
if one port in E Long the other in West add them to  
gether the Sum is your  $\times$  of Longitude But if both  
Lays in E or West Longitude Subtract one from  
the other and the Remander is the  $\times$  of Longitude  
To finde your meridnel  $\times$  of Latitude if one port Lays in  
North Latitude and the other in South you must Take  
it at 2 Times first measure one Latitude on the Line of  
meridnel parts then the same Extent on the Line of Eq  
parts and finde the meridnel  $\times$  of Latitude then with the Second  
port the same and add them together the same is the  
meridnel  $\times$  of Latitude

Note after you get to the Eastward of London you are  
in E Longitude and as you sail E you add your  $\times$  of  
Longitude to finde your Longitude Com to and like wise  
in South Latitude as you sail South Latitude you add  
your  $\times$  of Latitude to the Latitude sailed from gives the  
Latitude Com to



# Practises Table or a Table of Given parts of a sort -

| S   | -  | parts | S |
|-----|----|-------|---|
| 1   | is | 12    | 1 |
| 2   | is | 6     | 1 |
| 3   | is | 4     | 1 |
| 4   | is | 3     | 1 |
| 6   | is | 1/2   | 1 |
| S   | -  | Times | S |
| 01  | is | 20    | 1 |
| 02  | is | 10    | 1 |
| 03  | is | 8     | 1 |
| 3/4 | is | 6     | 1 |
| 4   | is | 5     | 1 |
| 5   | is | 4     | 1 |
| 6/8 | is | 3 1/2 | 1 |
| 10  | is | 3     | 1 |
| 20  | is | one   | 1 |

2462 pounds of fish at 4 per pound  
 $8240-8$   
 $4110-8$  answer if one Bifgit left 9 what left  
 $3400$   
 $1700$   
 $850$   
 $2550$   
 $127-10$

• I bought of a man 2579 pounds of beef at 11 per pound what does it come to  
 $1289-0-6$   
 $859-0-8$   
 $2140-0-4$   
 $107-9-2$

a man bought 2468 pounds of beef at 11 per pound what does it come to  
 $822-8$   
 $617$   
 $2262-0-2$   
 $113$   
 a man bought 2468 pounds of beef at 12 per pound what does it come to  
 $2921-6$

a man bought 2345 pounds of pork at 2/6 per pound what comes it to  
 $£293-2-6$

what does 3425 pounds of pork come to at 4/ per pound  
 $£685-0-0$

what does 6242 yards of cloth come to at 6/8 per yard  
 $£2080-13-4$

what does 246 yards of cloth at 10/6 per yard come to  
 $123$   
 $6-0-6$   
 $129-0-6$

what does 264888 pounds of coffee at 7/6 per pound come to  
 $66222$   
 $33111$   
 $£99333-0-0$

a man bought 2348 yards of serge at 2-5 per yard what does it come to  
 $587$   
 $£6288-0-0$

a man want to work 2764 days at 26/8 per day what does it come to  
 $921-18-4$   
 $3685-13-4$

what does 274 pounds of sugar at 28/6 per pound come to  
 $54-16-0$   
 $38-5-3$   
 $27-8-0$   
 $£390-09-0$   
 $2624$  at 19/6  
 $1312$   
 $105-0-6$   
 $328$   
 $262-8$   
 $10p2-0$   
 $2558-8$   
 $8p2-6$   
 $5p4-0$   
 $10p2-0$   
 $2-40$  at 18/6  
 $12-0$   
 $3-0$



# The Rule of Practice

What costs 248 yards of Cloath at  $12\frac{1}{11}$  per yard

parts of  $\frac{1}{2}$  - 124  
 $\frac{1}{3}$  - 82-13-4  
 $\frac{1}{16}$  - 15-10-0  
 $\frac{1}{10}$  - 24-16-0  
£246-19-4

248 yard at  $18\frac{1}{3}$  per yard  
 $\frac{1}{2}$  - 124  
 $\frac{1}{4}$  - 62  
 $\frac{1}{16}$  - 15-10  
24-16

£226-6

2468 yards of Cloath at  $32\frac{1}{4}$

$\frac{1}{100}$  - 411-6-8  
 $\frac{1}{40}$  - 617-0-0  
 $\frac{1}{50}$  - 493-12-0  
£3989-18-8



# Relief

Example Suppose 4 men send a Ship To Sea -  
 A puts in 2500£ B puts in 1500£ C puts in 2000£  
 D puts in 3000£ the Ship Returns and brings home  
 Clear of Charge 13500£ Demand Each mans part of  
 the Returns according to what he put in the Ship.

Cargo out A part out 2500 Cash by Return to A 3750  
 B - - - 1500 to B - - - 2250  
 C - - - 2000 to C - - - 3000  
 D - - - 3000 to D - - - 4500

2500/9000 (3 - 1/12 of 1/20 p for A)  
 1500/9000 (6 part for B)  
 2000/9000 (4 waiting 1/16 p C)  
 3000/9000 (3 D 1/3 p)

1500/9000 (6 part for B)  
 2000/9000 (4 waiting 1/16 p C)  
 3000/9000 (3 D 1/3 p)

3)13500 (4500/375  
 12 36  
 15 090  
 65 84  
 0000  
 660  
 60  
 00

A part of the Cash by Return 3750  
 B part of Cash by Returns - - 2250  
 C part of Cash by Returns - - 3000  
 D part of Cash by Return - - 4500  
 proof 13500

C



# Reduction of money —

Reduction is a Rule that serves to bring any greater Number in to a Less as in pound, Shilling, and pence  
 multiple pounds by 20 bringing them in to Shilling, multiple Shilling by 12 bringing them in to pence multiple pence by 4 bringing them in to farthings

## Example

in £ 32 how many Shilling, pence and farthings

$$\begin{array}{r} 20 \\ \underline{00} \end{array}$$

$$\begin{array}{r} 64 \\ \underline{640} \\ 12 \end{array}$$

$$\begin{array}{r} 1280 \\ \underline{640} \end{array}$$

$$\begin{array}{r} 7680 \\ \underline{4} \end{array}$$

31720 farthings

Question 4375866 farthings is

Demand how many pounds

Shillings pence and farthings

$$\begin{array}{r} 12 \quad 20 \\ 1)4375866 \quad 1093966 \quad 91165 \quad 1558 \\ \underline{4} \quad \underline{108} \quad \underline{80} \quad \underline{100} \end{array}$$

$$\begin{array}{r} 37 \\ \underline{36} \\ 15 \end{array}$$

$$\begin{array}{r} 15 \\ \underline{12} \\ 38 \end{array}$$

$$\begin{array}{r} 38 \\ \underline{36} \\ 26 \end{array}$$

$$\begin{array}{r} 26 \\ \underline{24} \\ 2 \end{array}$$

2 farthings

$$\begin{array}{r} 13 \\ \underline{12} \\ 19 \end{array}$$

$$\begin{array}{r} 19 \\ \underline{12} \\ 76 \end{array}$$

$$\begin{array}{r} 76 \\ \underline{72} \\ 46 \end{array}$$

$$\begin{array}{r} 46 \\ \underline{36} \\ 10 \end{array}$$

10 pence

$$\begin{array}{r} 100 \\ \underline{116} \\ 160 \end{array}$$

$$\begin{array}{r} 160 \\ \underline{153} \\ 7 \end{array}$$

$$\begin{array}{r} 7 \\ \underline{6} \\ 1 \end{array}$$

$$\begin{array}{r} 1 \end{array}$$

3 Shillings

in for plank on the mill Don't  
 have plank for the wheel —  
 104  
 365  
 316  
 316



# Reduction

Question in 4375866 farthings; Demand how many pounds Shillings pence and farthings

$$4 \overline{) 4375866} \begin{matrix} 1093966 \\ 108 \\ 80 \end{matrix} \begin{matrix} 991163 \\ 4558 \end{matrix} \begin{matrix} -03 \\ -10 \\ -2 \end{matrix}$$

$$\begin{array}{r} 437 \\ 36 \\ 15 \\ 12 \\ 38 \\ 36 \\ \hline 26 \\ 24 \\ 26 \\ 24 \\ 2 \end{array}$$

$$\begin{array}{r} 108 \\ 13 \\ 12 \\ 19 \\ 12 \\ 16 \\ 12 \\ 46 \\ 36 \\ 10 \end{array}$$

$$\begin{array}{r} 11 \\ 100 \\ 116 \\ 100 \\ 163 \\ 160 \\ 3 \end{array} \begin{array}{l} \text{Question in } 458 = 16 = 7 = 3 \text{ farthings} \\ \text{Shillings pence and farthings} \\ 458 = 16 = 7 = 3 \\ 20 \\ 9176 \text{ Shillings} \\ 12 \end{array}$$

$$\begin{array}{r} 18359 \\ 2176 \\ 110112 \text{ pence} \end{array}$$

multiply 5673 the given number of the pounds by 360 the number of farthings in a pound and it produceth the same Effect as you may see by the work 20 Shillings

$$\begin{array}{r} 5673 \text{ pounds} \\ 360 \\ \hline 340380 \\ 51057 \\ \hline 5446080 \text{ farthings} \end{array} \begin{array}{r} 12 \\ 40 \\ 26 \\ 240 \\ 4 \\ 960 \end{array}$$

Otherwise thus first bring the given Number 5673 into Shillings and multiply the Shilling by 48 the Number of farthings in a Shilling and the same Effect is thereby likewise produced

$$\begin{array}{r} 5673 \text{ pounds} \\ 20 \\ \hline 113460 \\ 113460 \text{ Shillings} \\ 48 \\ \hline 907680 \\ 453840 \\ \hline 5446080 \text{ farthings} \end{array} \begin{array}{r} 12 \text{ pence} \\ 4 \\ 48 \end{array}$$



# The Single Rule of Three

This Rule is made of multiplication and Division and serves to find up the Cost of many Things and is composed of three Numbers to find a fourth and to state it you multiply the Second Number by the Third and Divide by the first will give you the answer of your Question. But if your first Number be one there is No Need of Dividing by it for the multiplying the Second by the Third will answer your Question.

## Example

if 32 gallons of merclapic cost £18 what will 64 cost at the same Rate.

$$\begin{array}{r}
 512 \\
 64 \overline{) 321152} \quad \text{36 answer} \\
 \underline{384} \phantom{00} \\
 0192 \\
 \underline{192} \phantom{00} \\
 000
 \end{array}$$

Question if 13 yards of velvet cost 21. what will 27 yards of the same cost at that Rate

$$\begin{array}{r}
 \text{yards } 1. \quad \text{yards} \\
 \text{if } 13 \quad 21 \quad 27 \\
 \underline{27} \\
 147 \\
 42
 \end{array}$$

$$\begin{array}{r}
 13 \overline{) 56743} \\
 \underline{52} \phantom{00}
 \end{array}$$

$$\begin{array}{r}
 47 \\
 \underline{39} \\
 8
 \end{array}$$

$$\begin{array}{r}
 20 \\
 13 \overline{) 6012} \\
 \underline{39} \phantom{00}
 \end{array}$$

$$\begin{array}{r}
 30 \\
 \underline{26} \\
 4
 \end{array}$$

$$\begin{array}{r}
 12 \\
 13 \overline{) 4813} \\
 \underline{39} \phantom{00}
 \end{array}$$

$$\begin{array}{r}
 9 \\
 \underline{4} \\
 5
 \end{array}$$

$$\begin{array}{r}
 13 \overline{) 3612} \\
 \underline{26} \phantom{00}
 \end{array}$$

$$\begin{array}{r}
 10 \\
 \underline{9} \\
 1
 \end{array}$$

$$\begin{array}{r}
 1. \text{ } 8 \text{ } 9 \text{ } 9 \text{ } 9 \\
 43:12:3:2 \frac{10}{13}
 \end{array}$$



Beware young man: Beware the allurements of  
wantonness: and Let not the Harlot tempt thee to her  
Delights: the midness of Desire shall Defeat its  
own pursuits: from the Blindness of its rage thou  
Rush upon Destruction: therefore give not up  
thy heart to her Sweet Enticements Neither Suffer  
thy Soul to be Enslaved by her Enchantings Delusions  
the Fountain of health which must Supply the  
Stream of pleasure shall Quickly be Dried up  
and every Spring of joy shall be Exhausted  
in the prime of thy Life: old age shall overtake  
thee: thy Sun shall Decline in the morning of  
thy Days! But when Virtue and modesty Enlighten  
Her Charms the Lusture of a beautiful woman is  
Brighter than the Stars of heaven and the influence  
of her power it is in vain to Resist: the Innocence  
of her Eye is Like that of the turtle simplicity  
and truth Dwell in her heart: the kisses of  
her mouth are Sweeter than honey the perfumes  
of arabia Breathe from her Lips Shut not thy  
Bosom to the tenderness of Love the purity of its  
flame shall Enoble thine heart and Soften it to  
Receive the fairest impressions: September  
September 11<sup>th</sup> 1772 Towards Dimarader  
Latitude in: 15-46<sup>and</sup> Longitude: 53-55



H K H C W

Remark. Thursday August 21<sup>st</sup> 1772.

|    |   |   |       |     |  |
|----|---|---|-------|-----|--|
| 2  | 2 | 1 | ESS   | 562 | This Journal of our intended Voyage by good provisions on board the good Schooner Charming Betsy Benjamin Faynes master begun in Latd 37° 02' North and Longitude 56-36- W bowed for Timorador this 24 hour attended with Light Brests of Wind a South Sea the Schooner proves Lucky head an observation |
| 4  | 2 | 1 | -     | -   |  |
| 6  | 2 | 1 | -     | -   |  |
| 8  | 2 | 1 | SW    | -   |  |
| 10 | 2 | 1 | -     | -   |  |
| 12 | 2 | 1 | -     | -   |  |
| 2  | 1 | 1 | -     | -   |  |
| 4  | 2 | - | -     | -   |  |
| 6  | 1 | - | -     | 5   |  |
| 8  | 2 | - | -     | -   |  |
| 10 | 2 | + | SE 68 | -   |  |
| 12 | 2 | 5 | -     | -   |  |

| Corse | Dept | Lat | Dept | Lat in | Lat in in | Total Dept |
|-------|------|-----|------|--------|-----------|------------|
| 364   | 16   | 15  | 4    | 5      | 364       | 56-41- W   |
|       |      |     |      |        |           | 503        |

| H  | h | H $\frac{1}{2}$ | C   | w   | Remarks on Salair Day August 22    |
|----|---|-----------------|-----|-----|------------------------------------|
| 2  | 2 | -               | SE  | SW  | This 24 Flowers past Light Breezes |
| 4  | 2 | -               | -   | -   | of Wind & pleasant weather         |
| 6  | 2 | -               | -   | -   | at 6 Pm Spoke with a Ship from     |
| 8  | 2 | +               | -   | -   | for Tinley Bound for youripe       |
| 10 | 2 | 1               | -   | -   |                                    |
| 12 | 2 | 1               | -   | -   |                                    |
| 2  | 2 | 1               | SEB | SWB |                                    |
| 4  | 2 | 1               | -   | -   |                                    |
| 6  | 2 | 1               | SE  | SW  |                                    |
| 8  | 2 | 1               | -   | -   |                                    |
| 10 | 2 | 1               | -   | -   |                                    |
| 12 | 2 | 1               | -   | -   |                                    |

Latto Byobs 36: 7

| Corp | Dept | X of dat | Dept | Lat in | Long <sup>in</sup> | Total 2 |
|------|------|----------|------|--------|--------------------|---------|
| SE.  | 52m  | ham      | 40m  | 26     | 22                 | 26m     |

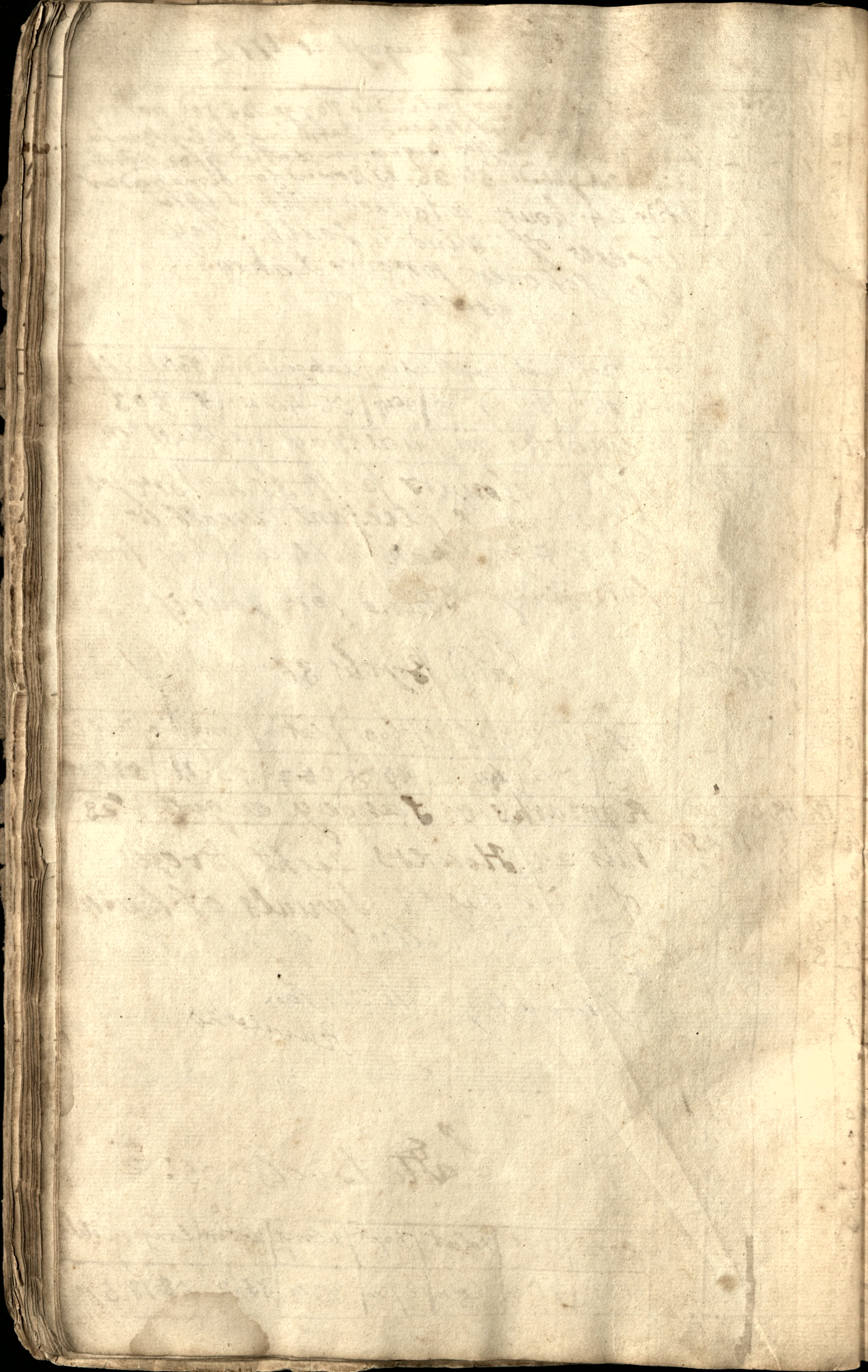
| 2  | 1K | 1K | cor | wd  | Remarks on Sunday August 3 <sup>rd</sup> 23 |
|----|----|----|-----|-----|---|
| 4  | 2  | 1  | SE  | Wgn | this 24 Flowers Light Breezes               |
| 6  | 3  | 1  | —   | SW  | of wind Light Squalls of Rain               |
| 8  | 3  | 1  | —   | —   | David Willson 1747                          |
| 10 | 3  | —  | —   | —   |   |
| 12 | 5  | —  | —   | —   |   |
| 2  |    |    |     |     |   |
| 4  |    |    |     |     |   |
| 6  |    |    |     |     |   |
| 8  |    |    |     |     |   |
| 10 |    |    |     |     |   |
| 12 |    |    |     |     |   |
| 2  |    |    |     |     |   |
| 4  |    |    |     |     |   |
| 6  |    |    |     |     |   |
| 8  |    |    |     |     |   |
| 10 |    |    |     |     |   |
| 12 |    |    |     |     |   |

Swonsey: Willson  
Ramer 28

Satto Byols 35: 2

| Course | Depth | X Lat | Depth | X Long | Kat in | Long in | Total |
|--------|-------|-------|-------|--------|--------|---------|-------|
| SE 8   | 70 m  | 65 m  | 27 m  | 33 m   | 35.2   | 58 18   | 570   |







Remarks munday august 24<sup>th</sup> 1772 50 words Diminished

This 24 hours a Tended with Light winds and Verible  
The first part Light Squalls of wind and Raine  
Later part Clear good observation this Day

| Cors  | Deft | X of Lat | Deft | X of Long | Lat in | Long in | Talle |
|-------|------|----------|------|-----------|--------|---------|-------|
| South | 46 m | 46 m     | 00   | 00 ~      | 34-16  | 55-18   | 570 m |

Remarks tuesday august 25<sup>th</sup> 1772

this 24 Hours The first part Light  
Breves of wind with a Large Sea at 4<sup>th</sup>  
tuck in 2 Rees in 4<sup>th</sup> main saile

| Cors | Deft | X of Lat | Deft | X of Long | Lat in | Long in | Talle   |
|------|------|----------|------|-----------|--------|---------|---------|
| S/Br | 92   | 91 -     | 9    | 11        | 32-45  | 55-29   | 561 Eft |

Remarks on Wednesday august 26<sup>th</sup> 1772

this 24 Hours The first part fresh gails  
of winds to 4<sup>th</sup> S/Br at 6 handed 4<sup>th</sup> main saile  
& Lay two under 4<sup>th</sup> fore sail & Laid up E & W of NE

| Cors | Deft | X of Lat | Deft | X of Long | Lat in | Long in | Talle |
|------|------|----------|------|-----------|--------|---------|-------|
| NW   | 12   | 9 -      | 9    | 11        | 32-54  | 55-40   | 552   |

Remarks on Thursday august 27<sup>th</sup> 1772

This 24 Hours 4<sup>th</sup> first part Quick gail at S/Br Lay  
tender 2 Rees at 4 mo. Wore 8<sup>th</sup> stood to the  
eward under 2 Rees 2 kms and gib

| Cors | Deft | X of Lat | Deft | X of Long | Lat in | Long in | Talle |
|------|------|----------|------|-----------|--------|---------|-------|
| W 86 | 18   | 10 -     | 13   | 16        | 32-98  | 55-56   | 589   |

Remarks on Friday august 28<sup>th</sup> 1772

This 24 hours a Tended with Lite Bries and Calms  
Had an observation Nothing Remarkable

| Day Cors   | Deft | X of Lat | Deft | X of Long | Lat in | Long in | Talle |
|------------|------|----------|------|-----------|--------|---------|-------|
| S 86 2/4 8 | 2 m  | 43 m     | 8    | 9 m       | 32-44  | 55-47   | 547   |

Remarks on Saturday august 29<sup>th</sup> 1772

This 24 hours Flat Calm a Swell from The South Bore  
Lat in by Observation 32-51 Longitude the Same  
as the Day a Bore Very short



Remarks on Sunday August the 30 1772 Towards

This 24 Hours Light Breezes & Calms a Smooth Sea & Very hot all well on Board

| Course | Deft | x of Lat | Deft | x Long | Latudin | Longin | Total E   |
|--------|------|----------|------|--------|---------|--------|-----------|
| SE 65  | 39   | 32       | 32   | 26 m   | 32-24   | 55-21  | 569 miles |

Remarks Monday August 31 1772 Towards Dimarader

This 24 Hours a Light wind at N N W and fair weather Very hot had a good observation Nothing Remarkable This 24 hours

| Course | Deft | x Lat | Deft | x Long | Latudin | Longin | Total E  |
|--------|------|-------|------|--------|---------|--------|----------|
| SE 52  | 70   | 62 m  | 33 m | 39 m   | 31-22   | 54-42  | 602 mile |

Remarks Tuesday September 1 1772 Towards Dimarader

This 24 Hours first part Light winds and fair weather wind Variable from N N W to E Later part Thick and Sonn. Raine no observation This Day

| Course | Deft | x Lat | Deft | x Long | Latudin | Longin | Total E   |
|--------|------|-------|------|--------|---------|--------|-----------|
| SE 6   | 62   | 58    | 24   | 28 m   | 30-24   | 54-14  | 626 miles |

Remarks Wednesday September 2 1772 Towards Dimarader

This 24 Hours a Landad Light Breezes of winds at E N E and E S a Smooth Sea had a good observation Nothing Remarkable

| Course   | Deft | x Lat | Deft | x of Long | Latudin | Longin | EST       |
|----------|------|-------|------|-----------|---------|--------|-----------|
| SE 8 1/2 | 64   | 61    | 19   | 22 m      | 29-23   | 53-52  | 645 miles |

Remarks Thursday Sept 3 1772 Towards Dimarader

This 24 hours a Landad with Light winds & fair weather Smooth Sea had a good observation

| Course | Deft | x of Lat | Deft | x of Long | Latin | Longin | Total E   |
|--------|------|----------|------|-----------|-------|--------|-----------|
| SE 8   | 63   | 62       | 12   | 14 m      | 28-21 | 53-38  | 657 miles |

Remarks Friday Sept 4 1772 Towards Dimarader

This 24 hours a Landad with a pleasant Brees at The Eft ward had a good Observation

| Course   | Deft | x of Lat | Deft | x Long | Latin | Longin | Total E |
|----------|------|----------|------|--------|-------|--------|---------|
| SE 1/4 E | 78   | 77       | 11   | 13 m   | 27-4  | 53-25  | 660     |



Remarks on Saturday Sept 5<sup>th</sup> 1772 Towards Dimarader

This 24 hours fresh gale of wind at East at 11 pm Carried away our main peak halyard with and got up a strap in the room had an observation

| Course | Dept | x of Lat | Dept | x Long | Lat in | Long in | To the East |
|--------|------|----------|------|--------|--------|---------|-------------|
| South  | 127  | 127 mil  | 00   | 00     | 24-57  | 53-25   | 668 mil     |

Remarks on Sunday Sept 6<sup>th</sup> 1772 Towards Dimarader

This 24 good wather Steady wind at E 6 N

Days Course South Dist 128 mile x of Latud 120

Lat in 22-41 N Longtudin 53-25 w To the E 668 mil

Remarks on Monday Sept 7<sup>th</sup> 1772 Towards Dimarader

This 24 hours first part pleasant middle part fresh

Breeze at 12 pm Single Reel me at 7 mor hard gale of wind at E 1 E 2 R me 13 R E S 1 B 9 at 11 pm 3 R E S hard gale at E

Days Course S 1/2 W Dist 139 m x Lat 137 Dept 13 x Long<sup>19</sup> Latin 20-32 N Longtudin 53-33 To the E 655 mils

Remarks Tuesday Sept 8<sup>th</sup> 1772 Towards Dimarader

This 24 hard gale of wind atandad with hard Squalls from E N E to the S E and plenty of Rain

Course made good S W by S Dist 69 x of Lat 54 Dept 36 Lat in 19-38 Longin 54-18 To the East 619

Remarks Wednesday 9<sup>th</sup> 1772 Towards Dimarader

This 24 Howers atandad with Light Brees of wind and fair wather all well on Board

Latud by obs 18-26

| Course | Dist | D Latud | D part | D Long | Longin   | made | De |
|--------|------|---------|--------|--------|----------|------|----|
| South  | 66   | 66      | 00     | 18:26  | 00-54:77 | 620  |    |



Remarks on Thursday Septem<sup>r</sup> 4<sup>th</sup> 1772 Towards

this 24 Hours atand with Light Brees of wind & fair wather all well on Board Late By obs 17.12

Course Distene D Latue D part Latue in D Long Latue in Longin w Dist

|          |    |    |    |       |    |       |     |
|----------|----|----|----|-------|----|-------|-----|
| SE 1/2 E | 77 | 74 | 22 | 17.12 | 23 | 53.54 | 642 |
|----------|----|----|----|-------|----|-------|-----|

Remarks on Friday Septem<sup>r</sup> 5<sup>th</sup> 1772 Towards Dim

this 24 Hours past moderat Brees of wind and fair wather Somthing Variable

Course Deften D Latue D part D Long Latue in Longin Tott Ea

|       |    |          |    |    |       |       |        |
|-------|----|----------|----|----|-------|-------|--------|
| South | 86 | 86 miles | 00 | 00 | 15-46 | 53-55 | 641 mi |
|-------|----|----------|----|----|-------|-------|--------|

Remarks on Friday Septem<sup>r</sup> 5<sup>th</sup> 1772 Towards

this 24 hours past fresh Brees of wind & sum squalls of rain all well on Board

Course Deften D Latue D part D Long Latue in Longin med Dist

|          |     |     |    |       |    |       |           |
|----------|-----|-----|----|-------|----|-------|-----------|
| SE 1/2 E | 134 | 134 | 13 | 13-32 | 13 | 53-41 | 655 miles |
|----------|-----|-----|----|-------|----|-------|-----------|

Remarks on Sunday Septem<sup>r</sup> 7<sup>th</sup> 1772 Towards Dimar

this 24 Hours the first part fresh Brees of wind & a hard squall of wind & thunder and Lightning and Rain handed all fall at 8 Pm Sat Recd ES No obs to day

Remarks on Monday Septem<sup>r</sup> 8<sup>th</sup> 1772 Towards Dimar

this 24 hours past atanded with Voilent gails of wind and rain from wnw to sw to the ESE at 12 on mared Ly tow<sup>r</sup> under 3 Reff for sail til it Blowed a huricain Sat 12 at Night Bagen to wear to the SE ward at 8 Pm gibed the ES and Ltuo to the way ward at 11 Sat 3 Reff m & at 12 Sat Cap Job 1 Reff F

Course Deften D Latue D part D Long Latue in Longin med Dist

|       |    |    |    |    |       |       |        |
|-------|----|----|----|----|-------|-------|--------|
| N 362 | 23 | 12 | 17 | 20 | 12-31 | 53-20 | 660 mi |
|-------|----|----|----|----|-------|-------|--------|



Remarks on Tuesday Septambar 4<sup>th</sup> 1772 Towards

this 24 hours Last part attended with Light Breezes  
wind pleasant wather all well on Board

| Course | Dist | D Lat | D part | D Long | Lat      | Long  | made   |
|--------|------|-------|--------|--------|----------|-------|--------|
| SE     | 92   | 90    | 23     | 24     | 11:00: N | 53-44 | 637 mi |

Remarks on Wednesday Sept 4<sup>th</sup> 16<sup>th</sup> 1772 Towards Dimarce

at 10 o'clock Saw a ship to the Eastward Standing to the  
SW ward Clewed out our main Sail Caught one  
Shark this 24 Hours attended with Light Breezes of  
wind pleasant wather at 8 o'clock the water found  
No Bottom Lath By observation: 9:15

| Course | Dist | D Lat | D part | D Long | Lat  | Long  | made      |
|--------|------|-------|--------|--------|------|-------|-----------|
| SE     | 110  | 105   | 32     | 33     | 9:15 | 54:17 | 609 miles |

Remarks on Thursday Sept 4<sup>th</sup> 17<sup>th</sup> 1772 Towards Dim

this 24 Hours Light Breezes of wind and variable  
at 4 pm tackt to the East ward with wind  
SE at 8 E W tackt to the west ward the wind

| Course | Dist | D Lat | D part | D Long | Lat  | Long  | made |
|--------|------|-------|--------|--------|------|-------|------|
| SE     | 3 m  | 2     | 2      | 2      | 9 17 | 54:19 | 602  |

Remarks on Friday Sept 4<sup>th</sup> 18<sup>th</sup> 1772 Towards Dim

this 24 Hours attended with Calms and a large  
swall from the NE and SE Very hot Saw sundry  
Benetors Caught one Shark at 12 a small No obs

Remarks Saturday Septambar 4<sup>th</sup> 19<sup>th</sup> 1772 Towards

this 24 Hours attended with Calms and a large  
swall from SE ward But by observation  
there is a current that has set us to the Southward  
to miles Lat obs 7:40

| Course | Dist | D Lat | D part | D Long | Lat  | Long  | made |
|--------|------|-------|--------|--------|------|-------|------|
| SE     | 104  | 97    | 40     | 41     | 7:40 | 53:38 | 692  |



Remarks on Sunday September 20<sup>th</sup> 1772

this 24 Hours the first part Calm Caught one Shark at 4 pm Came a Breeze of wind to the Sward Sat all Sail at 6 of Clock Calm at 3 Pm a Breeze from the South ward Smooth Sea Latd Byobs 6:52 the Current Still Sat to the South ward at 2 Knots Re

| Course | Dist | D Lat | Depart | D Long | Lat in | Long in  |
|--------|------|-------|--------|--------|--------|----------|
| South  | 48   | 48    | 00     | 00     | 6:42   | 58:38/64 |

Remarks on Monday Septem<sup>r</sup> 21<sup>th</sup> 1772 to wards Demerary this 24 Hours past attended with Light Breezes of wind & a strong Current setting to y<sup>e</sup> South ward so that I find that she has gone to y<sup>e</sup> South ward of y<sup>e</sup> Line 10 miles the wind at y<sup>e</sup> E ward all well on Board Latd Byobs 7:10

| Course   | Dist | D Lat | D Long | Lat in | Long in | Long out      |
|----------|------|-------|--------|--------|---------|---------------|
| NW 1/4 W | 51   | 23    | 46     | 7:15   | 46      | 55:24 / 596 E |

Remarks on Tuesday Septem<sup>r</sup> 22<sup>d</sup> 1772 to wards Essequibo this 24 Hours past attended with Light Breezes of wind and Smooth Sea the Current has stopt Latd Byobs 7:00

| Course                     | Dist | D Lat | D part | D Long | Lat in | Long in      |
|----------------------------|------|-------|--------|--------|--------|--------------|
| <del>Atto</del><br>S 1/4 E | 54   | 15    | 53     | 53-1/2 | 55:08  | 7:00 / 55:08 |

Remarks on Wednesday Septem<sup>r</sup> 23<sup>th</sup> 1772

this 24 Hours attended with Light Breezes of wind and fair wather the Current has set us to the North ward of the Line 36 mls Latd 7:10

| Course  | Dist | D Lat | D part | D Long | Lat in | Long  |
|---------|------|-------|--------|--------|--------|-------|
| N 1/4 W | 39   | 21    | 32     | 32     | 7:21   | 55:38 |

James James

Est 52

Abode hijk l m n o

Willson



*[The following text is written in cursive and appears to be a ledger or account book entry:]*

James Willson Cravat for Schelling - 99 pounds  
Harpfwall aprill & 14<sup>th</sup> 1748 Coffey gal  
Benjamin Tappinsh to James Willson Dator  
To 1 pound of Tobacco - 00-09-00-0  
for going to Tasco - 03-00-00-0  
Tuesday y<sup>e</sup> 29<sup>th</sup> of Decembar To Cash 102-05-00-0  
to fish 193 pound Burhis Davie  
To fish 1 Cash 2 cantls & half at 2<sup>d</sup> stivers pound  
To Cash 1 Dollar - 02-05-00-0  
To 2 Cantals fish in the Caban at 2<sup>d</sup> stivers  
To fish in the Caban 2 Cantals  
Set gallon of Rum at Negean David Walling  
Command you want your money from me you will receive  
Common you may your mind from play amend your mind  
Common your mind and stand and see hear is my eye  
Common your mind and stand and see hear is my eye  
Command your mind and stand and see hear is my eye  
the year is ended have we amanded  
2642 yards of cloth at 16<sup>s</sup> 8<sup>d</sup>  
1321 & cash paid to the bank  
880 what will 2967 bushels Corn come to at 27<sup>s</sup> 0<sup>d</sup>  
2201-3-4



Teraching blast. Does blow which the  
 and shakes poor mortals here below. 1772

James Willson his book April 16th

A righteous man more excellent  
 Than his Neighbour slandered Because  
 He cannot Be corrupted

These highish times make many minds  
 uneasy without Becoming Bankrupts

Thomas Per to 1 Beat  
 Job Strong to 2 Beats } Credit to thomas Leolfe  
 Thannev to 3 Beats } to 5 & half yards G.  
 Richard Year 3 Beats } to Cash 2 13-6  
 James marament to 1 Beat } 22-5-0  
 James Willson

July 8 7 Want to Work to Thomas Leolfe

August 9 19 Came a way July 19 Wet Bus

Benjamin Jaguist to James Willson Debtor  
 to 1 thousand of lingels at 11 guilders per to  
 to 6 Dole rs from John Williams 13-10-00  
 to 10 Shilen in antique old Tenor  
 to 1-10-00 antique Curancay

of wind and fair wather the Curant has sat us  
 to the North ward of the Lap 36 mls Latt 7:2

| Course | Dist | Lat | part | Long | Lat   | Long   |
|--------|------|-----|------|------|-------|--------|
| Nwbu   | 39   | 21  | 32   | 32   | 7: 21 | 55: 38 |

James James  
 Albeder kijklmno  
 Willson  
 Est 522



